

MONTHLY RETURN  
OF THE  
BIRTHS, DEATHS, AND MARRIAGES  
REGISTERED  
IN SIXTEEN OF THE PRINCIPAL TOWNS OF  
SCOTLAND;

WITH THE CAUSES OF DEATH AT DIFFERENT PERIODS OF LIFE.

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**JANUARY 1916.**

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**REPORT.**

During the month of January 1916 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1911 Census had populations of over 30,000, the births of 4697 living children, of whom 2361 were male and 2336 female. The male children number 66 more than in the previous month, but 254 fewer than in the corresponding month of last year. The female children number 114 more than in the previous month, but 149 fewer than in the corresponding month of last year. The total children of the month are 180 more than those of the previous month, and 362 more than the mean of the numbers of the three preceding months, but are 403 fewer than those of January of last year. The equivalent annual birth-rate is 23·5 per thousand. It is 0·8 more than that of the previous month, and 1·5 more than the mean of those of the three preceding months, but is 2·1 less than that of January of last year. In the individual towns the birth-rate of the month ranged from 29·3 in Greenock, 27·7 in Motherwell, and 26·6 in Clydebank, to 17·8 in Edinburgh, 18·2 in Perth, 20·2 in Kirkcaldy, and 20·4 in Leith. In Glasgow this rate was 25·6; in Hamilton, 24·8; in Paisley, 23·4; in Falkirk, 23·2; in Ayr, 23·2; in Aberdeen, 22·9; in Kilmarnock, 22·8; in Coatbridge, 21·8; and in Dundee, 21·3.

Of the 4697 children whose births were registered, 4382, or 93·3 per cent., were legitimate, while 315, or 6·7 per cent., were illegitimate. The illegitimate children of the month are 4 more than those of the previous month, and 27 more than the mean of the numbers of the three preceding months, but 33 fewer than in January of last year. The illegitimate rate is 0·2 less than that of the previous month, and 0·1 less than that of January of last year, but is the same as the mean of those of the three preceding months. In the towns taken individually this rate varied from 13·4 per cent. in Hamilton, 10·3 in Edinburgh, and 9·9 in Aberdeen, to 1·0 in Motherwell, 1·5 in Ayr, 1·8 in Perth, and 1·9 in Clydebank. In Dundee this rate was 8·6; in Kirkcaldy, 8·6; in Paisley, 7·3; in Kilmarnock, 6·9; in Glasgow, 6·2; in Falkirk, 6·0; in Greenock, 5·2; in Leith, 3·5; and in Coatbridge, 2·4.



Marriages registered in these towns during the month numbered 2473. They are 291 more than registered in the previous month, 508 more than the mean of the numbers registered in the three preceding months, and 201 more than in January of last year. The equivalent annual marriage-rate is 12·4 per thousand. It is 1·4 more than that of the previous month, 2·4 more than the mean of those of the three preceding months, and 1·0 more than that of January of last year. In the towns taken individually this rate ranged from 14·6 in Perth, 14·1 in Ayr, and 13·5 in Paisley, to 9·0 in Falkirk, 9·9 in Greenock, and 10·0 in Hamilton. In Motherwell this rate was 13·4; in Glasgow, 13·1; in Coatbridge, 13·0; in Aberdeen, 12·4; in Kilmarnock, 12·4; in Dundee, 12·0; in Edinburgh, 11·7; in Clydebank, 11·1; in Kirkcaldy, 11·0; and in Leith, 10·1.

Deaths registered in these towns during the month numbered 3009, 1553 being of males, and 1456 of females. These deaths included those of 260 persons with usual residence outwith the town of registration, but excluded those of 153 persons with usual residence in one or other of these towns but dying and registered elsewhere in Scotland, and the difference, 107, falls to be deducted to get the corrected number of the month, which is thus found to be 2902. The corrected number of deaths of the month is 917 less than that of the previous month, 638 less than the mean of the numbers of the three preceding months, and 1364 less than that of the corresponding month of last year.

The death-rate of the month, corrected, is 14·5. It is 4·7 less than that of the previous month, 3·5 less than the mean of those of the three preceding months, and 6·9 less than that of January of last year. In the towns taken individually this rate ranged from 20·5 in Greenock and 19·4 in Coatbridge, to 9·2 in Motherwell, 10·6 in Clydebank, and 11·5 in Hamilton. In Aberdeen this rate was 17·9; in Kirkcaldy, 17·6; in Perth, 15·6; in Dundee, 15·3; in Glasgow, 14·2; in Ayr, 14·1; in Edinburgh, 13·9; in Kilmarnock, 13·9; in Paisley, 13·7; in Leith, 12·5; and in Falkirk, 12·5.

Of the 2902 deaths, 802, or 27·6 per cent., were of children of less than five years old; 1365, or 47·1 per cent., were of persons of more than five but less than sixty-five; and 735, or 25·3 per cent., were of persons of over sixty-five. Compared with the numbers of the previous month, deaths under five are 248 fewer, those between five and sixty-five are 295 fewer, and those over sixty-five are 374 fewer. Compared with the mean of the numbers of the three preceding months, deaths under five are 266 fewer, and those over sixty-five are 204 fewer, but those between five and sixty-five are 167 less. Compared with January of last year, deaths under five are 584 fewer, between five and sixty-five, 349 fewer, and over sixty-five, 431 fewer.

Deaths of children of under one year numbered 471. They are 141 fewer than in the previous month, 183 less than the mean of the numbers of the three preceding months, and 318 fewer than in January of last year. These deaths are equal to an infantile mortality rate of 98 per thousand of the average number of births registered monthly during the preceding twelve months. This rate is 28 less than that of the previous month, 37 less than the mean of those of the three preceding months, and 53 less than that of January of last year. In the towns taken individually this rate ranged from 161 in Greenock, 140 in Coatbridge, and 136 in Aberdeen, to 41 in Hamilton, 56 in Leith, and 57 in Perth. In Falkirk this rate was 118; in Dundee, 106; in Edinburgh, 100; in Motherwell, 100; in Kirkcaldy, 100; in Glasgow, 93; in Kilmarnock, 93; in Paisley, 86; in Clydebank, 71; and in Ayr, 62.

Deaths from the principal epidemic diseases numbered 266, and included 6 from enteric fever, 93 from measles, 51 from scarlet fever, 17 from whooping-cough, 58 from diphtheria, and 41 from the diarrhoeas of childhood. These deaths collectively are 54 fewer than in the previous month, 80 less than the mean of the numbers of the three preceding months, and 194 fewer than in January of last year. They are equal to an annual death-rate from these causes of 1·3 per thousand, which is 0·3 less than that of the previous month, 0·4 less than the mean of those of the three preceding months, and 1·0 less than that of the corresponding month of last year. In the individual towns this death-rate varied from



6·2 in Coatbridge and 3·8 in Greenock, in both of which towns measles was prevalent, to 0·3 in Leith, 0·3 in Clydebank, and 0·6 in Kilmarnock. In Motherwell, this rate was 2·0; in Kirkcaldy 2·0; in Paisley, 1·7; in Perth, 1·6; in Hamilton, 1·5; in Edinburgh, 1·4; in Aberdeen, 1·4; in Falkirk, 1·4; in Ayr, 1·1; in Glasgow, 1·0; and in Dundee, 0·9. Compared with the returns of the previous month, deaths from scarlet fever are 22 fewer, from the diarrhoeas of childhood 15 fewer, from measles 13 fewer, and from diphtheria 7 fewer, but those from whooping-cough are of the same number, while those from enteric fever are 3 more.

Deaths registered in these towns during the month included none from either typhus fever or small-pox. Deaths from rheumatic fever numbered 12; from meningitis (other than cerebro-spinal or tuberculous), 34; from heart disease, 256; from puerperal sepsis, 11; from malignant disease, 172; from influenza (uncomplicated), 10; and from violence, 150, of which 6 were attributed to suicide.

Deaths from pneumonia numbered 260, constituted 9·0 per cent. of the total, and are equal to an annual death-rate of 1·3 per thousand. They are 156 fewer than in the previous month, and 268 fewer than in January of last year. Deaths from bronchitis numbered 182, constituted 6·3 per cent. of the total, and are equal to an annual death-rate of 0·9 per thousand. They are 270 fewer than in the previous month, and 350 fewer than in January of last year.

Deaths from all forms of tuberculous disease numbered 347. They constituted 12·0 per cent. of the total deaths of the month, and are equal to an annual death-rate of 1·7 per thousand. These deaths collectively are 7 fewer than in the previous month, but 4 more than in January of last year. Of them 235 were ascribed to phthisis, which deaths constituted 8·1 per cent. of the total deaths of the month, and are equal to an annual death-rate of 1·2 per thousand. The phthisis deaths of the month are 2 more than in the previous month, but are 15 fewer than in January of last year. In the individual towns the phthisis death-rate of the month varied from 1·7 in Greenock, and 1·5 in Aberdeen and in Hamilton, to 0 in Motherwell and in Kirkcaldy, and 0·3 in Falkirk. In Ayr this death-rate was 1·4; in Glasgow, 1·3; in Dundee, 1·3; in Kilmarnock, 1·3; in Edinburgh, 1·1; in Paisley, 1·0; in Leith, 1·0; in Perth, 1·0; in Coatbridge, 0·8; and in Clydebank, 0·8.

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## METEOROLOGICAL NOTES for Eight of the Principal Towns, by A. WATT, M.A., F.R.S.E., Secretary to the Scottish Meteorological Society.

### JANUARY 1916.

Mean barometric pressure, 29·825 in.; less than the average of 1876–1910 by 0·066 in.

Mean temperature, 43°·8; greater by 5°·8.

Mean daily range of temperature, 10°·1; greater by 0°·9.

Rain, number of days, 21; greater by 4 days.

Rain, depth in inches, 4·15; greater by 1·10 in.

Wind, direction of: an 8 days' excess of winds from S.W. and W.

Hence the month was characterised by a low mean pressure; an abnormally high mean temperature, with a slightly high mean daily range; a high mean rainfall; and a large excess of westerly and south-westerly winds.

The mean pressure was 29·825 in. or 0·066 in. below the normal. There were some very rapid fluctuations of the barometer, and at Leith, the extremes occurred at the beginning and at the end of the month,—28·85 in. on 1st and 30·38 in. on 31st. At Leith pressure was above 30 in. from 8th to 11th, on 14th, on 23rd, and from 27th to 31st.

The mean temperature of 43°·8 was 5·8 above the normal, and since observations were organised in Scotland sixty years ago, the only January comparable for mildness was that of 1898. For Edinburgh reliable records are available from 1764



onwards, and back to that date the only other January to approach those of 1911 and 1898 in mildness appears to have been that of 1796. Almost the only interruption to a stormy and mild south-westerly type of weather occurred towards the end of the month, with a shift of the wind to north-west, and on 28th Balmoral recorded a reading of 21°. At various places the thermometer in screen did not fall below the freezing point, and at the chief towns the extremes were 57° at Edinburgh on 5th and 27° at Perth on 27th and 28th. The mildness of the month was notable in all parts of our Islands.

As regards rainfall, Aberdeen had only about half its normal, and at Dundee and in the extreme south-east and south-west there was a slight deficiency. In general, however, there was a considerable excess; in north-western and some northern districts the month was abnormally wet; and at Glenquoich in West Inverness-shire the aggregate of 29·27 in. was considerably above that of any January for at least forty years. At Ardross Castle, in East Ross-shire, the month with 7·63 in. was the wettest January for at least fifty years, and the preceding month had been the wettest December on record. In the West Highlands the heaviest rains were from 23rd to 25th,—as much as 4·17 in. at Achnacarry on 24th with 2·99 in. on 25th. For the chief towns the mean was 4·15 in., or 36 per cent. above the normal; falls exceeding 1 in. occurred at Greenock on 19th and 20th; and in general a great part of the month's rainfall was accounted for during the first few days and between 19th and 26th. At Aberdeen no day had more than 0·17 in.

A great deal of very stormy weather occurred, more especially from 1st to 4th, from 10th to 15th, and from 19th to 25th. There were floods in Perthshire on 1st, and the heavy rains in the West Highlands from 23rd to 25th caused a serious landslide on the Invergarry Railway. Snow, sleet and hail occurred around 20th; and thunderstorms in the west on 20th, and at some points on 22nd also.

Except in north-west and south-west sunshine amounts were above the normal, and at Aberdeen the month was the sunniest January since 1881.

Fog occurred towards the end of the month.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES  
in the Principal Towns, JANUARY 1916.

TOWNS.	POPULATION.		BIRTHS.						MARRIAGES.	DEATHS.				
	Census. 1911.	Estimated to middle of 1916.	Males.	Females.	Total.	Legiti- mate.	Illegiti- mate.	Males.		Females.	Total.	Out.	In.	Total Corrected.
GLASGOW, . . .	1,008,487	1,091,600	1205	1166	2371	2225	146	1208	702	639	1341	88	56	1309
EDINBURGH, . .	320,769	329,200	241	256	497	446	51	325	202	202	404	52	35	387
DUNDEE, . . .	176,085	180,300	145	181	326	298	28	184	113	127	240	11	5	234
ABERDEEN, . .	163,891	156,400	158	146	304	274	30	164	128	128	256	31	12	237
PAISLEY, . . .	84,455	83,300	88	77	165	153	12	95	62	47	109	14	2	97
LEITH, . . .	80,601	82,100	79	63	142	137	5	70	34	53	87	8	8	87
GREENOCK, . .	75,140	77,700	98	95	193	183	10	65	79	62	141	9	3	135
PERTH, . . .	35,854	36,400	35	21	56	55	1	45	28	32	60	13	1	48
TOTAL . . . (EIGHT TOWNS)	1,945,282	2,037,000	2049	2005	4054	3771	283	2156	1348	1290	2638	226	122	2534
COATBRIDGE, .	43,290	45,600	46	38	84	82	2	50	39	36	75	0	0	75
MOTHERWELL .	40,380	42,100	46	53	99	98	1	48	21	10	31	0	2	33
KIRKCALDY . .	39,601	40,900	28	42	70	64	6	38	33	24	57	0	4	61
HAMILTON, . .	38,644	39,100	35	47	82	71	11	33	21	12	33	2	7	38
CLYDEBANK, .	37,548	45,700	56	47	103	101	2	43	21	10	31	1	11	41
KILMARNOCK, .	34,728	37,300	36	36	72	67	5	39	24	25	49	7	2	44
FALKIRK, . . .	33,574	34,100	35	32	67	63	4	26	26	18	44	11	3	36
AYR, . . .	32,986	33,500	30	36	66	65	1	40	20	31	51	13	2	40
TOTAL . . . (SIXTEEN TOWNS)	2,246,033	2,355,300	2261	2336	4697	4382	315	2473	1553	1456	3009	260	153	2902



TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES  
in the Principal Towns, JANUARY 1916.

TOWNS.	Birth- Rate per 1000 of Popu- lation.	Illegiti- mate Birth- Rate per 100 Births.	Marriage- Rate per 1000 of Popu- lation.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		Principal Epidemic Diseases.	Tuber- culosis.	Phthisis.	All Re- spiratory Diseases.	Number.	* Rate per 1000 Births.
				Uncor- rected.	Cor- rected.						
GLASGOW, . . .	25·6	6·2	13·1	14·5	14·2	1·0	1·9	1·3	2·5	221	93
EDINBURGH, . .	17·8	10·3	11·7	14·5	13·9	1·4	1·6	1·1	1·9	51	100
DUNDEE, . . .	21·3	8·6	12·0	15·7	15·3	0·9	1·6	1·3	2·9	35	106
ABERDEEN, . .	22·9	9·9	12·4	19·3	17·9	1·4	2·1	1·5	2·1	44	136
PAISLEY, . . .	23·4	7·3	13·5	15·4	13·7	1·7	1·3	1·0	1·8	15	86
LEITH, . . . .	20·4	3·5	10·1	12·5	12·5	0·3	1·9	1·0	2·7	9	56
GREENOCK, . .	29·3	5·2	9·9	21·4	20·5	3·8	2·3	1·7	4·6	31	161
PERTH, . . . .	18·2	1·8	14·6	19·5	15·6	1·6	1·3	1·0	1·9	3	57
TOTAL . . . (EIGHT TOWNS)	23·5	7·0	12·5	15·3	14·7	1·2	1·8	1·2	2·5	409	99
COATBRIDGE, . .	21·8	2·4	13·0	19·4	19·4	6·2	1·3	0·8	3·6	14	140
MOTHERWELL, . .	27·7	1·0	13·4	8·7	9·2	2·0	0·3	0·0	2·0	10	100
KIRKCALDY, . .	20·2	8·6	11·0	16·4	17·6	2·0	0·6	0·0	3·2	7	100
HAMILTON, . . .	24·8	13·4	10·0	10·0	11·5	1·5	1·8	1·5	1·8	4	41
CLYDEBANK, . .	26·6	1·9	11·1	8·0	10·6	0·3	0·8	0·8	1·8	8	71
KILMARNOCK, . .	22·8	6·9	12·4	15·5	13·9	0·6	2·2	1·3	1·6	7	93
FALKIRK, . . .	23·2	6·0	9·0	15·3	12·5	1·4	1·7	0·3	3·1	8	118
AYR, . . . . .	23·2	1·5	14·1	18·0	14·1	1·1	2·1	1·4	2·8	4	62
TOTAL . . . (SIXTEEN TOWNS)	23·5	6·7	12·4	15·1	14·5	1·3	1·7	1·2	2·5	471	98

\* Based on the average number of births registered monthly during the past 12 months.

TABLE III.—BIRTH-RATE, DEATH-RATE, ETC., FOR JANUARY 1916, and for  
the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL  
TOWNS.

MONTH.	Birth-Rate.	Illegitimate Birth- rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM							Infantile Mortality.	Mean Temperature. (Eight Towns only.)
					Enteric Fever.	Smallpox.	Measles.	Scarlet Fever.	Whooping- Cough.	Diphtheria and Croup.	Diarrhoea (Under 2 Years).		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
JAN. 1916, . .	23·5	6·7	12·4	14·5	6	0	93	51	17	58	41	98	43°·8
JAN. 1915, . .	25·6	6·8	11·4	21·4	12	0	32	53	261	53	49	151	37°·6
JAN. 1914, . .	26·7	7·5	12·2	20·4	4	0	183	45	29	65	47	151	38°·7
JAN. 1913, . .	28·1	7·2	10·8	18·9	8	0	13	22	174	46	49	133	37°·6
JAN. 1912, . .	26·7	6·3	11·6	18·5	14	0	205	33	72	53	38	132	37°·5
JAN. 1911, . .	25·9	8·1	11·0	17·4	12	0	7	21	78	42	47	119	39°·9
JAN. 1910, . .	25·8	7·3	10·4	19·6	15	0	208	26	26	38	55	140	36°·4
JAN. 1909, . .	28·1	7·3	10·2	19·4	9	0	5	19	147	39	50	138	39°·0
JAN. 1908, . .	29·2	6·8	11·3	25·0	12	2	359	18	116	32	—	173	37°·8
JAN. 1907, . .	29·1	7·8	10·8	22·1	18	0	33	12	88	32	—	140	38°·5
JAN. 1906, . .	29·9	6·8	12·1	20·2	7	0	128	9	28	41	—	141	40°·2

For all years up to and including 1911, figures are for Eight only of the Principal Towns.  
Figures in Columns 5-13 have, for 1913 and subsequent years, been corrected for non-resident deaths.



## AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—January 1916.

CAUSES OF DEATH.	All Ages.	Age.										
		-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-
Enteric Fever - - - - -	6	-	-	2	-	-	2	1	1	-	-	-
Typhus Fever - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Small-pox - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Measles - - - - -	93	25	66	1	-	1	-	-	-	-	-	-
Scarlet Fever - - - - -	51	3	25	16	2	4	-	-	1	-	-	-
Whooping-cough - - - - -	17	6	11	-	-	-	-	-	-	-	-	-
Diphtheria and Croup - - - - -	58	6	33	13	2	1	-	-	2	1	-	-
Influenza - - - - -	10	-	-	-	-	-	-	2	-	4	1	23
Erysipelas - - - - -	4	1	-	-	-	-	-	1	1	1	-	-
Phthisis, Pulmonary Tuberculosis - - - - -	235	-	2	5	5	47	66	54	31	19	5	11
Tuberculous Meningitis - - - - -	47	12	19	10	3	2	-	1	-	-	-	-
Abdominal Tuberculosis - - - - -	34	1	14	8	6	1	2	1	1	-	-	-
Other Tuberculous Diseases - - - - -	31	4	5	2	3	5	5	5	-	2	-	-
Cancer, Malignant Disease - - - - -	172	-	1	-	-	-	4	19	32	60	44	122
Rheumatic Fever - - - - -	12	-	-	2	2	2	1	2	2	-	1	-
Meningitis - - - - -	34	11	13	1	4	4	-	-	1	-	-	-
Organic Heart Disease - - - - -	256	-	-	2	2	5	6	19	43	66	73	400
Bronchitis - - - - -	182	21	10	-	-	2	1	4	15	45	41	433
Pneumonia (all forms) - - - - -	260	48	62	8	1	10	10	15	17	39	31	199
Other Diseases of Respiratory Organs - - - - -	52	16	5	1	-	1	1	4	4	8	5	77
Diarrhoea and Enteritis (under 2 years) - - - - -	41	32	9	-	-	-	-	-	-	-	-	-
Appendicitis and Typhlitis - - - - -	14	-	2	3	1	2	1	1	3	-	-	11
All Liver Diseases (not Malignant) - - - - -	19	1	-	-	-	-	-	-	7	10	1	-
Other Diseases of Digestive System (under 2 years) - - - - -	20	18	2	-	-	-	-	-	-	-	-	-
Nephritis and Bright's Disease - - - - -	103	1	2	3	1	2	7	8	21	25	23	100
Puerperal Sepsis - - - - -	11	-	-	-	-	3	6	2	-	-	-	-
Other Diseases & Accidents of Pregnancy & Parturition - - - - -	16	-	-	-	-	3	6	7	-	-	-	-
Congenital Debility and Malformation, including Pre-mature Birth - - - - -	185	185	-	-	-	-	-	-	-	-	-	-
Violent Deaths, excluding Suicide - - - - -	144	11	10	15	2	13	8	19	20	22	14	100
Suicide - - - - -	6	-	-	-	-	-	2	1	1	2	-	-
Other Defined Diseases - - - - -	699	58	31	8	8	22	28	39	69	108	145	1833
Diseases Ill-defined or Unknown - - - - -	90	11	9	2	1	3	3	4	17	18	17	55
All Causes - - - - -	2902	471	331	102	43	133	159	209	289	430	401	3344

## GLASGOW—January 1916.

CAUSES OF DEATH.	All Ages.	Age.										
		-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-
Enteric Fever - - - - -	4	-	-	2	-	-	1	-	1	-	-	-
Typhus Fever - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Small-pox - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Measles - - - - -	26	11	15	-	-	-	-	-	-	-	-	-
Scarlet Fever - - - - -	23	1	11	8	1	2	-	-	-	-	-	-
Whooping-cough - - - - -	7	4	3	-	-	-	-	-	-	-	-	-
Diphtheria and Croup - - - - -	19	2	12	4	-	-	-	-	-	1	-	-
Influenza - - - - -	4	-	-	-	-	-	-	1	-	2	1	-
Erysipelas - - - - -	2	1	-	-	-	-	-	1	-	-	-	-
Phthisis, Pulmonary Tuberculosis - - - - -	117	-	2	4	1	19	34	28	17	8	4	-
Tuberculous Meningitis - - - - -	28	8	9	7	2	2	-	-	-	-	-	-
Abdominal Tuberculosis - - - - -	16	1	7	3	3	-	1	-	1	-	-	-
Other Tuberculous Diseases - - - - -	14	2	3	2	2	2	1	-	-	-	-	-
Cancer, Malignant Disease - - - - -	80	-	1	-	-	-	2	10	16	26	23	22
Rheumatic Fever - - - - -	6	-	-	1	1	1	-	-	-	-	-	-
Meningitis - - - - -	16	2	7	1	4	2	-	-	2	-	-	-
Organic Heart Disease - - - - -	89	-	-	-	-	1	1	14	18	20	25	100
Bronchitis - - - - -	88	5	4	-	-	1	1	2	7	23	24	211
Pneumonia (all forms) - - - - -	124	18	28	2	1	5	3	8	11	20	15	133
Other Diseases of Respiratory Organs - - - - -	23	9	3	1	-	1	-	3	2	2	-	22
Diarrhoea and Enteritis (under 2 years) - - - - -	18	15	3	-	-	-	-	-	-	-	-	-
Appendicitis and Typhlitis - - - - -	6	-	1	2	1	1	-	-	1	-	-	-
All Liver Diseases (not Malignant) - - - - -	10	1	-	-	-	-	-	-	4	4	1	-
Other Diseases of Digestive System (under 2 years) - - - - -	14	12	2	-	-	-	-	-	-	-	-	-
Nephritis and Bright's Disease - - - - -	65	-	2	3	-	2	3	7	15	15	14	44
Puerperal Sepsis - - - - -	6	-	-	-	-	2	2	2	-	-	-	-
Other Diseases & Accidents of Pregnancy & Parturition - - - - -	11	-	-	-	-	1	5	5	-	-	-	-
Congenital Debility and Malformation, including Pre-mature Birth - - - - -	95	95	-	-	-	-	-	-	-	-	-	-
Violent Deaths, excluding Suicide - - - - -	53	2	4	3	1	5	5	8	9	10	4	22
Suicide - - - - -	2	-	-	-	-	-	2	-	-	-	-	-
Other Defined Diseases - - - - -	298	27	10	7	2	10	16	19	41	42	58	66
Diseases Ill-defined or Unknown - - - - -	45	5	2	1	-	2	2	4	8	10	8	3
All Causes - - - - -	1309	221	129	51	19	59	81	113	153	183	177	123



## EDINBURGH—January 1916.

CAUSES OF DEATH.	All Ages.	Age.										
		-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-
Enteric Fever - - - - -	1	-	-	-	-	-	-	1	-	-	-	-
Typhus Fever - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Small-pox - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Measles - - - - -	9	3	6	-	-	-	-	-	-	-	-	-
Scarlet Fever - - - - -	11	1	6	2	1	-	-	-	1	-	-	-
Whooping-cough - - - - -	1	-	1	-	-	-	-	-	-	-	-	-
Diphtheria and Croup - - - - -	13	1	5	3	1	1	-	-	2	-	-	-
Influenza - - - - -	2	-	-	-	-	-	-	1	-	-	-	1
Erysipelas - - - - -	2	-	-	-	-	-	-	-	1	1	-	-
Phthisis, Pulmonary Tuberculosis - - - - -	30	-	-	-	-	6	6	6	5	6	-	1
Tuberculous Meningitis - - - - -	7	1	6	-	-	-	-	-	-	-	-	-
Abdominal Tuberculosis - - - - -	4	-	2	1	-	-	-	1	-	-	-	-
Other Tuberculous Diseases - - - - -	3	-	-	-	1	1	1	-	-	-	-	-
Cancer, Malignant Disease - - - - -	29	-	-	-	-	-	-	3	7	9	6	4
Rheumatic Fever - - - - -	1	-	-	-	-	-	-	1	-	-	-	-
Meningitis - - - - -	2	-	-	-	-	1	-	-	1	-	-	-
Organic Heart Disease - - - - -	52	-	-	-	1	1	1	3	8	10	15	13
Bronchitis - - - - -	22	3	2	-	-	-	-	1	1	5	4	6
Pneumonia (all forms) - - - - -	21	5	5	-	-	-	-	-	2	5	4	-
Other Diseases of Respiratory Organs - - - - -	9	3	1	-	-	-	-	-	-	-	4	1
Diarrhœa and Enteritis (under 2 years) - - - - -	4	4	-	-	-	-	-	-	-	-	-	-
Appendicitis and Typhlitis - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
All Liver Diseases (not Malignant) - - - - -	2	-	-	-	-	-	-	-	1	1	-	-
Other Diseases of Digestive System (under 2 years) - - - - -	3	3	-	-	-	-	-	-	-	-	-	-
Nephritis and Bright's Disease - - - - -	7	-	-	-	-	-	1	-	1	3	1	1
Puerperal Sepsis - - - - -	1	-	-	-	-	-	1	-	-	-	-	-
Other Diseases & Accidents of Pregnancy & Parturition - - - - -	2	-	-	-	-	1	-	1	-	-	-	-
Congenital Debility and Malformation, including Pre- mature Birth - - - - -	20	20	-	-	-	-	-	-	-	-	-	-
Violent Deaths, excluding Suicide - - - - -	25	2	5	3	-	-	-	4	2	3	5	1
Suicide - - - - -	1	-	-	-	-	-	-	1	-	-	-	-
Other Defined Diseases - - - - -	100	5	6	1	2	4	4	6	6	18	23	25
Diseases Ill-defined or Unknown - - - - -	3	-	-	-	-	-	-	-	1	1	1	-
All Causes - - - - -	387	51	45	10	6	15	14	29	39	62	63	53

## DUNDEE—January 1916.

CAUSES OF DEATH.	All Ages.	Age.										
		-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-
Enteric Fever - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Typhus Fever - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Small-pox - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Measles - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Scarlet Fever - - - - -	3	-	2	1	-	-	-	-	-	-	-	-
Whooping-cough - - - - -	1	1	-	-	-	-	-	-	-	-	-	-
Diphtheria and Croup - - - - -	6	1	4	-	1	-	-	-	-	-	-	-
Influenza - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Erysipelas - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Phthisis, Pulmonary Tuberculosis - - - - -	20	-	-	-	1	7	3	4	5	-	-	-
Tuberculous Meningitis - - - - -	1	1	-	-	-	-	-	-	-	-	-	-
Abdominal Tuberculosis - - - - -	1	-	-	-	1	-	-	-	-	-	-	-
Other Tuberculous Diseases - - - - -	2	-	-	-	-	-	-	1	-	1	-	-
Cancer, Malignant Disease - - - - -	18	-	-	-	-	-	-	1	3	6	6	2
Rheumatic Fever - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Meningitis - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Organic Heart Disease - - - - -	30	-	-	2	-	1	1	-	7	9	7	3
Bronchitis - - - - -	18	-	-	-	-	1	-	-	1	8	3	5
Pneumonia (all forms) - - - - -	23	3	6	1	-	-	1	3	1	2	4	3
Other Diseases of Respiratory Organs - - - - -	3	-	-	-	-	-	-	-	-	3	-	-
Diarrhœa and Enteritis (under 2 years) - - - - -	4	2	2	-	-	-	-	-	-	-	-	-
Appendicitis and Typhlitis - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
All Liver Diseases (not Malignant) - - - - -	1	-	-	-	-	-	-	-	-	1	-	-
Other Diseases of Digestive System (under 2 years) - - - - -	1	1	-	-	-	-	-	-	-	-	-	-
Nephritis and Bright's Disease - - - - -	9	-	-	-	-	-	2	-	-	1	3	3
Puerperal Sepsis - - - - -	1	-	-	-	-	-	1	-	-	-	-	-
Other Diseases & Accidents of Pregnancy & Parturition - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Congenital Debility and Malformation, including Pre- mature Birth - - - - -	20	20	-	-	-	-	-	-	-	-	-	-
Violent Deaths, excluding Suicide - - - - -	7	1	1	2	-	-	-	-	1	-	1	1
Suicide - - - - -	2	-	-	-	-	-	-	-	1	1	-	-
Other Defined Diseases - - - - -	54	5	2	-	1	2	1	1	1	7	13	21
Diseases Ill-defined or Unknown - - - - -	9	-	3	-	-	-	1	-	2	2	1	-
All Causes - - - - -	234	35	20	6	4	11	10	9	22	41	38	38



## CAUSES OF DEATH (corrected for Transfers).

ABERDEEN—January 1916.

CAUSES OF DEATH.	All Ages.	Age.										
		-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-
Enteric Fever - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Typhus Fever - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Small-pox - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Measles - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Scarlet Fever - - - - -	6	-	4	2	-	-	-	-	-	-	-	-
Whooping-cough - - - - -	3	1	2	-	-	-	-	-	-	-	-	-
Diphtheria and Croup - - - - -	4	2	2	-	-	-	-	-	-	-	-	-
Influenza - - - - -	2	-	-	-	-	-	-	-	-	1	-	11
Erysipelas - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Phthisis, Pulmonary Tuberculosis - - - - -	20	-	-	1	-	3	9	4	1	1	1	-
Tuberculous Meningitis - - - - -	5	-	1	2	1	-	-	1	-	-	-	-
Abdominal Tuberculosis - - - - -	2	-	2	-	-	-	-	-	-	-	-	-
Other Tuberculous Diseases - - - - -	1	-	-	-	-	-	-	1	-	-	-	-
Cancer, Malignant Disease - - - - -	12	-	-	-	-	-	-	1	2	4	4	11
Rheumatic Fever - - - - -	2	-	-	-	1	1	-	-	-	-	-	-
Meningitis - - - - -	6	4	2	-	-	-	-	-	-	-	-	-
Organic Heart Disease - - - - -	26	-	-	-	1	-	1	2	4	7	7	44
Bronchitis - - - - -	9	3	-	-	-	-	-	-	-	3	1	22
Pneumonia (all forms) - - - - -	16	5	1	1	-	-	2	3	1	2	1	-
Other Diseases of Respiratory Organs - - - - -	3	-	-	-	-	-	-	-	-	1	1	11
Diarrhoea and Enteritis (under 2 years) - - - - -	6	5	1	-	-	-	-	-	-	-	-	-
Appendicitis and Typhlitis - - - - -	1	-	-	-	-	-	-	1	-	-	-	-
All Liver Diseases (not Malignant) - - - - -	2	-	-	-	-	-	-	-	1	1	-	-
Other Diseases of Digestive System (under 2 years) - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Nephritis and Bright's Disease - - - - -	5	-	-	-	-	-	-	-	4	-	-	11
Puerperal Sepsis - - - - -	1	-	-	-	-	-	1	-	-	-	-	-
Other Diseases & Accidents of Pregnancy & Parturition - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Congenital Debility and Malformation, including Pre-mature Birth - - - - -	9	9	-	-	-	-	-	-	-	-	-	-
Violent Deaths, excluding Suicide - - - - -	22	3	-	-	-	5	1	4	3	1	2	33
Suicide - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Other Defined Diseases - - - - -	68	8	2	-	1	3	1	3	1	11	14	244
Diseases Ill-defined or Unknown - - - - -	6	4	-	-	-	-	-	-	-	-	2	-
All Causes - - - - -	237	44	17	6	4	12	15	20	17	32	33	37

PAISLEY—January 1916.

CAUSES OF DEATH.	All Ages.	Age.										
		-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-
Enteric Fever - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Typhus Fever - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Small-pox - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Measles - - - - -	1	-	1	-	-	-	-	-	-	-	-	-
Scarlet Fever - - - - -	2	-	1	1	-	-	-	-	-	-	-	-
Whooping-cough - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Diphtheria and Croup - - - - -	7	-	5	2	-	-	-	-	-	-	-	-
Influenza - - - - -	1	-	-	-	-	-	-	-	-	-	-	1
Erysipelas - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Phthisis, Pulmonary Tuberculosis - - - - -	7	-	-	-	-	4	-	2	1	-	-	-
Tuberculous Meningitis - - - - -	1	-	1	-	-	-	-	-	-	-	-	-
Abdominal Tuberculosis - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Other Tuberculous Diseases - - - - -	1	-	-	-	-	-	-	1	-	-	-	-
Cancer, Malignant Disease - - - - -	10	-	-	-	-	-	-	1	1	7	1	-
Rheumatic Fever - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Meningitis - - - - -	1	1	-	-	-	-	-	-	-	-	-	-
Organic Heart Disease - - - - -	11	-	-	-	-	-	-	-	4	4	2	1
Bronchitis - - - - -	3	1	1	-	-	-	-	-	-	-	1	-
Pneumonia (all forms) - - - - -	9	1	3	-	-	-	2	1	1	1	-	-
Other Diseases of Respiratory Organs - - - - -	1	-	-	-	-	-	-	-	1	-	-	-
Diarrhoea and Enteritis (under 2 years) - - - - -	2	2	-	-	-	-	-	-	-	-	-	-
Appendicitis and Typhlitis - - - - -	2	-	-	-	-	-	1	-	1	-	-	-
All Liver Diseases (not Malignant) - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Other Diseases of Digestive System (under 2 years) - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Nephritis and Bright's Disease - - - - -	1	-	-	-	-	-	-	-	-	1	-	-
Puerperal Sepsis - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Other Diseases & Accidents of Pregnancy & Parturition - - - - -	1	-	-	-	-	1	-	-	-	-	-	-
Congenital Debility and Malformation, including Pre-mature Birth - - - - -	5	5	-	-	-	-	-	-	-	-	-	-
Violent Deaths, excluding Suicide - - - - -	5	-	-	2	-	-	-	-	1	1	-	1
Suicide - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Other Defined Diseases - - - - -	25	5	4	-	-	-	2	3	3	1	2	5
Diseases Ill-defined or Unknown - - - - -	1	-	-	-	-	-	-	-	1	-	-	-
All Causes - - - - -	97	15	16	5	-	5	5	8	14	15	6	8



## LEITH—January 1916.

CAUSES OF DEATH.	All Ages.	Age.										
		-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-
Enteric Fever - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Typhus Fever - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Small-pox - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Measles - - - - -	1	-	-	-	-	1	-	-	-	-	-	-
Scarlet Fever - - - - -	1	-	-	1	-	-	-	-	-	-	-	-
Whooping-cough - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Diphtheria and Croup - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Influenza - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Erysipelas - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Phthisis, Pulmonary Tuberculosis - - - - -	7	-	-	-	1	2	2	2	-	-	-	-
Tuberculous Meningitis - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Abdominal Tuberculosis - - - - -	4	-	1	1	-	1	1	-	-	-	-	-
Other Tuberculous Diseases - - - - -	2	-	1	-	-	-	1	-	-	-	-	-
Cancer, Malignant Disease - - - - -	7	-	-	-	-	-	1	1	2	2	1	-
Rheumatic Fever - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Meningitis - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Organic Heart Disease - - - - -	10	-	-	-	-	-	-	-	-	3	3	4
Bronchitis - - - - -	10	1	-	-	-	-	-	-	1	1	2	5
Pneumonia (all forms) - - - - -	6	3	-	-	-	-	1	-	1	-	1	-
Other Diseases of Respiratory Organs - - - - -	3	1	-	-	-	-	-	-	-	1	-	1
Diarrhoea and Enteritis (under 2 years) - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Appendicitis and Typhlitis - - - - -	1	-	-	-	-	-	-	-	1	-	-	-
All Liver Diseases (not Malignant) - - - - -	2	-	-	-	-	-	-	-	-	2	-	-
Other Diseases of Digestive System (under 2 years) - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Nephritis and Bright's Disease - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Puerperal Sepsis - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Other Diseases & Accidents of Pregnancy & Parturition - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Congenital Debility and Malformation, including Pre- mature Birth - - - - -	2	2	-	-	-	-	-	-	-	-	-	-
Violent Deaths, excluding Suicide - - - - -	8	2	-	-	-	1	2	1	1	-	-	1
Suicide - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Other Defined Diseases - - - - -	22	-	1	-	-	-	1	1	-	7	7	5
Diseases Ill-defined or Unknown - - - - -	1	-	-	-	-	-	-	-	-	1	-	-
All Causes - - - - -	87	9	3	2	1	5	9	5	6	17	14	16

## GREENOCK—January 1916.

CAUSES OF DEATH.	All Ages.	Age.										
		-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-
Enteric Fever - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Typhus Fever - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Small-pox - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Measles - - - - -	24	6	18	-	-	-	-	-	-	-	-	-
Scarlet Fever - - - - -	1	1	-	-	-	-	-	-	-	-	-	-
Whooping-cough - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Diphtheria and Croup - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Influenza - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Erysipelas - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Phthisis, Pulmonary Tuberculosis - - - - -	11	-	-	-	2	1	6	1	-	1	-	-
Tuberculous Meningitis - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Abdominal Tuberculosis - - - - -	1	-	1	-	-	-	-	-	-	-	-	-
Other Tuberculous Diseases - - - - -	3	2	-	-	-	1	-	-	-	-	-	-
Cancer, Malignant Disease - - - - -	4	-	-	-	-	-	-	1	1	1	1	-
Rheumatic Fever - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Meningitis - - - - -	4	2	2	-	-	-	-	-	-	-	-	-
Organic Heart Disease - - - - -	10	-	-	-	-	1	-	-	-	3	5	1
Bronchitis - - - - -	9	1	2	-	-	-	-	-	2	2	2	-
Pneumonia (all forms) - - - - -	21	9	9	-	-	1	-	-	-	-	1	1
Other Diseases of Respiratory Organs - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Diarrhoea and Enteritis (under 2 years) - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Appendicitis and Typhlitis - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
All Liver Diseases (not Malignant) - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Other Diseases of Digestive System (under 2 years) - - - - -	1	1	-	-	-	-	-	-	-	-	-	-
Nephritis and Bright's Disease - - - - -	2	1	-	-	-	-	-	-	-	1	-	-
Puerperal Sepsis - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Other Diseases & Accidents of Pregnancy & Parturition - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Congenital Debility and Malformation, including Pre- mature Birth - - - - -	7	7	-	-	-	-	-	-	-	-	-	-
Violent Deaths, excluding Suicide - - - - -	6	-	-	-	-	-	-	1	1	3	-	1
Suicide - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Other Defined Diseases - - - - -	31	1	4	-	-	1	1	2	3	3	6	10
Diseases Ill-defined or Unknown - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
All Causes - - - - -	135	31	36	-	2	5	7	5	7	14	15	13



## CAUSES OF DEATH (corrected for Transfers)

PERTH—January 1916.

CAUSES OF DEATH.	All Ages.	Age.										
		-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-
Enteric Fever - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Typhus Fever - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Small-pox - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Measles - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Scarlet Fever - - - - -	1	-	-	-	-	1	-	-	-	-	-	-
Whooping-cough - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Diphtheria and Croup - - - - -	3	-	-	3	-	-	-	-	-	-	-	-
Influenza - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Erysipelas - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Phthisis, Pulmonary Tuberculosis - - - - -	3	-	-	-	-	3	-	-	-	-	-	-
Tuberculous Meningitis - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Abdominal Tuberculosis - - - - -	1	-	-	1	-	-	-	-	-	-	-	-
Other Tuberculous Diseases - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Cancer, Malignant Disease - - - - -	3	-	-	-	-	-	-	-	-	2	-	1
Rheumatic Fever - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Meningitis - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Organic Heart Disease - - - - -	10	-	-	-	-	-	1	-	2	2	2	3
Bronchitis - - - - -	3	-	-	-	-	-	-	1	1	-	1	-
Pneumonia (all forms) - - - - -	3	-	-	1	-	1	-	-	-	1	-	-
Other Diseases of Respiratory Organs - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Diarrhoea and Enteritis (under 2 years) - - - - -	1	1	-	-	-	-	-	-	-	-	-	-
Appendicitis and Typhlitis - - - - -	1	-	1	-	-	-	-	-	-	-	-	-
All Liver Diseases (not Malignant) - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Other Diseases of Digestive System (under 2 years) - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Nephritis and Bright's Disease - - - - -	1	-	-	-	-	-	-	-	-	-	1	-
Puerperal Sepsis - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Other Diseases & Accidents of Pregnancy & Parturition - - - - -	2	-	-	-	-	-	1	1	-	-	-	-
Congenital Debility and Malformation, including Pre- mature Birth - - - - -	1	1	-	-	-	-	-	-	-	-	-	-
Violent Deaths, excluding Suicide - - - - -	2	-	-	2	-	-	-	-	-	-	-	-
Suicide - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Other Defined Diseases - - - - -	10	1	-	-	-	-	-	-	-	-	-	-
Diseases Ill-defined or Unknown - - - - -	3	-	-	-	1	-	-	-	1	3	1	4
All Causes - - - - -	48	3	1	7	1	5	2	2	4	9	5	9

## COATBRIDGE—January 1916.

CAUSES OF DEATH.	All Ages.	Age.										
		-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-
Enteric Fever - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Typhus Fever - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Small-pox - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Measles - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Scarlet Fever - - - - -	21	2	18	1	-	-	-	-	-	-	-	-
Whooping-cough - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Diphtheria and Croup - - - - -	2	-	2	-	-	-	-	-	-	-	-	-
Influenza - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Erysipelas - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Phthisis, Pulmonary Tuberculosis - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Tuberculous Meningitis - - - - -	3	-	-	-	-	-	1	2	-	-	-	-
Abdominal Tuberculosis - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Other Tuberculous Diseases - - - - -	1	-	-	-	1	-	-	-	-	-	-	-
Cancer, Malignant Disease - - - - -	1	-	-	-	-	1	-	-	-	-	-	-
Rheumatic Fever - - - - -	1	-	-	-	-	-	-	-	-	-	1	-
Meningitis - - - - -	1	-	-	1	-	-	-	-	-	-	-	-
Organic Heart Disease - - - - -	1	1	-	-	-	-	-	-	-	-	-	-
Bronchitis - - - - -	4	-	-	-	-	-	-	-	-	-	-	-
Pneumonia (all forms) - - - - -	2	1	1	-	-	-	-	-	-	-	-	-
Other Diseases of Respiratory Organs - - - - -	9	2	6	-	-	-	-	-	-	-	-	-
Diarrhoea and Enteritis (under 2 years) - - - - -	3	2	1	-	-	-	-	-	-	1	-	-
Appendicitis and Typhlitis - - - - -	1	-	1	-	-	-	-	-	-	-	-	-
All Liver Diseases (not Malignant) - - - - -	1	-	-	-	-	1	-	-	-	-	-	-
Other Diseases of Digestive System (under 2 years) - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Nephritis and Bright's Disease - - - - -	1	1	-	-	-	-	-	-	-	-	-	-
Puerperal Sepsis - - - - -	1	-	-	-	-	-	-	-	-	1	-	-
Other Diseases & Accidents of Pregnancy & Parturition - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Congenital Debility and Malformation, including Pre- mature Birth - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Violent Deaths, excluding Suicide - - - - -	3	3	-	-	-	-	-	-	-	-	-	-
Suicide - - - - -	3	1	-	1	-	-	-	1	-	-	-	-
Other Defined Diseases - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Diseases Ill-defined or Unknown - - - - -	13	1	1	-	1	1	-	-	-	4	4	1
All Causes - - - - -	75	14	32	4	2	3	1	3	-	8	7	1



## MOTHERWELL—January 1916.

CAUSES OF DEATH.	All Ages.	Age.										
		-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-
Enteric Fever - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Typhus Fever - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Small-pox - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Measles - - - - -	4	2	2	-	-	-	-	-	-	-	-	-
Scarlet Fever - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Whooping-cough - - - - -	1	-	1	-	-	-	-	-	-	-	-	-
Diphtheria and Croup - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Influenza - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Erysipelas - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Phthisis, Pulmonary Tuberculosis - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Tuberculous Meningitis - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Abdominal Tuberculosis - - - - -	1	-	1	-	-	-	-	-	-	-	-	-
Other Tuberculous Diseases - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Cancer, Malignant Disease - - - - -	2	-	-	-	-	-	1	1	-	-	-	-
Rheumatic Fever - - - - -	1	-	-	-	-	-	-	1	-	-	-	-
Meningitis - - - - -	1	-	1	-	-	-	-	-	-	-	-	-
Organic Heart Disease - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Bronchitis - - - - -	1	-	-	-	-	-	-	-	-	-	1	-
Pneumonia (all forms) - - - - -	4	1	-	-	-	-	-	-	-	2	1	-
Other Diseases of Respiratory Organs - - - - -	2	-	-	-	-	-	1	-	-	1	-	-
Diarrhoea and Enteritis (under 2 years) - - - - -	2	1	1	-	-	-	-	-	-	-	-	-
Appendicitis and Typhlitis - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
All Liver Diseases (not Malignant) - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Other Diseases of Digestive System (under 2 years) - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Nephritis and Bright's Disease - - - - -	1	-	-	-	-	-	-	-	-	-	1	-
Puerperal Sepsis - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Other Diseases & Accidents of Pregnancy & Parturition - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Congenital Debility and Malformation, including Pre-mature Birth - - - - -	3	3	-	-	-	-	-	-	-	-	-	-
Violent Deaths, excluding Suicide - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Suicide - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Other Defined Diseases - - - - -	8	3	-	-	-	-	-	-	-	-	2	3
Diseases Ill-defined or Unknown - - - - -	2	-	-	-	-	-	-	-	1	1	-	-
All Causes - - - - -	33	10	6	-	-	-	2	2	1	4	5	3

## KIRKCALDY—January 1916.

CAUSES OF DEATH.	All Ages.	Age.										
		-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-
Enteric Fever - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Typhus Fever - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Small-pox - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Measles - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Scarlet Fever - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Whooping-cough - - - - -	2	-	2	-	-	-	-	-	-	-	-	-
Diphtheria and Croup - - - - -	4	-	3	1	-	-	-	-	-	-	-	-
Influenza - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Erysipelas - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Phthisis, Pulmonary Tuberculosis - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Tuberculous Meningitis - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Abdominal Tuberculosis - - - - -	1	-	-	-	1	-	-	-	-	-	-	-
Other Tuberculous Diseases - - - - -	1	-	-	-	-	-	1	-	-	-	-	-
Cancer, Malignant Disease - - - - -	3	-	-	-	-	-	-	-	-	1	-	2
Rheumatic Fever - - - - -	1	-	-	-	-	-	-	-	-	-	1	-
Meningitis - - - - -	1	-	1	-	-	-	-	-	-	-	-	-
Organic Heart Disease - - - - -	5	-	-	-	-	-	-	-	-	2	3	-
Bronchitis - - - - -	5	2	-	-	-	-	-	-	-	2	-	1
Pneumonia (all forms) - - - - -	5	-	-	2	-	1	-	1	-	1	-	-
Other Diseases of Respiratory Organs - - - - -	1	-	-	-	-	-	-	-	1	-	-	-
Diarrhoea and Enteritis (under 2 years) - - - - -	1	1	-	-	-	-	-	-	-	-	-	-
Appendicitis and Typhlitis - - - - -	-	-	-	-	-	-	-	-	1	-	-	-
All Liver Diseases (not Malignant) - - - - -	1	-	-	-	-	-	-	-	-	-	-	-
Other Diseases of Digestive System (under 2 years) - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Nephritis and Bright's Disease - - - - -	2	-	-	-	-	-	-	-	-	1	1	-
Puerperal Sepsis - - - - -	1	-	-	-	-	1	-	-	-	-	-	-
Other Diseases & Accidents of Pregnancy & Parturition - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Congenital Debility and Malformation, including Pre-mature Birth - - - - -	4	4	-	-	-	-	-	-	-	-	-	-
Violent Deaths, excluding Suicide - - - - -	2	-	-	1	-	-	-	-	-	-	1	-
Suicide - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Other Defined Diseases - - - - -	17	-	-	-	-	-	-	1	1	2	6	7
Diseases Ill-defined or Unknown - - - - -	4	-	-	-	-	-	-	-	2	1	1	-
All Causes - - - - -	61	7	6	4	1	2	1	2	5	10	13	10



## CAUSES OF DEATH (corrected for Transfers).

HAMILTON—January 1916.

CAUSES OF DEATH.	All Ages.	Age.										
		-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-
Enteric Fever	-	-	-	-	-	-	-	-	-	-	-	-
Typhus Fever	-	-	-	-	-	-	-	-	-	-	-	-
Small-pox	-	-	-	-	-	-	-	-	-	-	-	-
Measles	5	1	4	-	-	-	-	-	-	-	-	-
Scarlet Fever	-	-	-	-	-	-	-	-	-	-	-	-
Whooping-cough	-	-	-	-	-	-	-	-	-	-	-	-
Diphtheria and Croup	-	-	-	-	-	-	-	-	-	-	-	-
Influenza	1	-	-	-	-	-	-	-	-	1	-	-
Erysipelas	-	-	-	-	-	-	-	-	-	-	-	-
Phthisis, Pulmonary Tuberculosis	5	-	-	-	-	-	-	2	2	1	-	-
Tuberculous Meningitis	-	-	-	-	-	-	-	-	-	-	-	-
Abdominal Tuberculosis	1	-	-	1	-	-	-	-	-	-	-	-
Other Tuberculous Diseases	-	-	-	-	-	-	-	-	-	-	-	-
Cancer, Malignant Disease	-	-	-	-	-	-	-	-	-	-	-	-
Rheumatic Fever	-	-	-	-	-	-	-	-	-	-	-	-
Meningitis	-	-	-	-	-	-	-	-	-	-	-	-
Organic Heart Disease	3	-	-	-	-	-	-	-	-	1	1	1
Bronchitis	-	-	-	-	-	-	-	-	-	-	-	-
Pneumonia (all forms)	6	-	2	-	-	-	-	-	-	2	2	-
Other Diseases of Respiratory Organs	-	-	-	-	-	-	-	-	-	-	-	-
Diarrhoea and Enteritis (under 2 years)	-	-	-	-	-	-	-	-	-	-	-	-
Appendicitis and Typhlitis	-	-	-	-	-	-	-	-	-	-	-	-
All Liver Diseases (not Malignant)	-	-	-	-	-	-	-	-	-	-	-	-
Other Diseases of Digestive System (under 2 years)	-	-	-	-	-	-	-	-	-	-	-	-
Nephritis and Bright's Disease	1	-	-	-	-	-	-	-	-	1	-	-
Puerperal Sepsis	-	-	-	-	-	-	-	-	-	-	-	-
Other Diseases & Accidents of Pregnancy & Parturition	-	-	-	-	-	-	-	-	-	-	-	-
Congenital Debility and Malformation, including Pre-mature Birth	2	2	-	-	-	-	-	-	-	-	-	-
Violent Deaths, excluding Suicide	6	-	-	-	-	1	-	-	1	3	1	-
Suicide	1	-	-	-	-	-	-	-	-	1	-	-
Other Defined Diseases	5	1	-	-	-	-	-	-	1	-	1	2
Diseases Ill-defined or Unknown	2	-	-	-	-	-	-	-	1	-	-	1
All Causes	38	4	6	1	-	1	-	2	5	10	5	4

CLYDEBANK—January 1916.

CAUSES OF DEATH.	All Ages.	Age.										
		-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-
Enteric Fever	-	-	-	-	-	-	-	-	-	-	-	-
Typhus Fever	-	-	-	-	-	-	-	-	-	-	-	-
Small-pox	-	-	-	-	-	-	-	-	-	-	-	-
Measles	-	-	-	-	-	-	-	-	-	-	-	-
Scarlet Fever	-	-	-	-	-	-	-	-	-	-	-	-
Whooping-cough	1	-	-	1	-	-	-	-	-	-	-	-
Diphtheria and Croup	-	-	-	-	-	-	-	-	-	-	-	-
Influenza	-	-	-	-	-	-	-	-	-	-	-	-
Erysipelas	-	-	-	-	-	-	-	-	-	-	-	-
Phthisis, Pulmonary Tuberculosis	3	-	-	-	-	-	1	1	-	1	-	-
Tuberculous Meningitis	-	-	-	-	-	-	-	-	-	-	-	-
Abdominal Tuberculosis	-	-	-	-	-	-	-	-	-	-	-	-
Other Tuberculous Diseases	-	-	-	-	-	-	-	-	-	-	-	-
Cancer, Malignant Disease	1	-	-	-	-	-	-	-	-	1	-	-
Rheumatic Fever	-	-	-	-	-	-	-	-	-	-	-	-
Meningitis	2	1	-	-	-	1	-	-	-	-	-	-
Organic Heart Disease	3	-	-	-	-	1	-	-	-	1	1	-
Bronchitis	1	-	-	-	-	1	-	-	-	-	-	-
Pneumonia (all forms)	4	1	2	-	-	-	-	-	1	-	-	-
Other Diseases of Respiratory Organs	2	1	-	-	-	-	-	1	-	-	1	-
Diarrhoea and Enteritis (under 2 years)	-	-	-	-	-	-	-	-	-	-	-	-
Appendicitis and Typhlitis	-	-	-	-	-	-	-	-	-	-	-	-
All Liver Diseases (not Malignant)	-	-	-	-	-	-	-	-	-	-	-	-
Other Diseases of Digestive System (under 2 years)	-	-	-	-	-	-	-	-	-	-	-	-
Nephritis and Bright's Disease	2	-	-	-	-	-	1	-	-	-	1	-
Puerperal Sepsis	-	-	-	-	-	-	-	-	-	-	-	-
Other Diseases & Accidents of Pregnancy & Parturition	-	-	-	-	-	-	-	-	-	-	-	-
Congenital Debility and Malformation, including Pre-mature Birth	2	2	-	-	-	-	-	-	-	-	-	-
Violent Deaths, excluding Suicide	3	-	-	1	-	1	-	-	1	-	-	-
Suicide	-	-	-	-	-	-	-	-	-	-	-	-
Other Defined Diseases	15	1	-	-	-	-	1	1	4	3	3	2
Diseases Ill-defined or Unknown	2	2	-	-	-	-	-	-	-	-	-	-
All Causes	41	8	2	2	-	3	3	3	6	6	6	2



## KILMARNOCK—January 1916.

CAUSES OF DEATH.	All Ages.	Age.										
		-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-
Enteric Fever - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Typhus Fever - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Small-pox - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Measles - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Scarlet Fever - - - - -	1	-	-	-	-	1	-	-	-	-	-	-
Whooping-cough - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Diphtheria and Croup - - - - -	1	-	1	-	-	-	-	-	-	-	-	-
Influenza - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Erysipelas - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Phthisis, Pulmonary Tuberculosis - - - - -	4	-	-	-	-	-	2	1	-	1	-	-
Tuberculous Meningitis - - - - -	2	2	-	-	-	-	-	-	-	-	-	-
Abdominal Tuberculosis - - - - -	1	-	-	1	-	-	-	-	-	-	-	-
Other Tuberculous Diseases - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Cancer, Malignant Disease - - - - -	2	-	-	-	-	-	-	-	-	1	1	-
Rheumatic Fever - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Meningitis - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Organic Heart Disease - - - - -	3	-	-	-	-	-	1	-	-	2	-	-
Bronchitis - - - - -	5	1	-	-	-	-	-	-	1	-	1	2
Pneumonia (all forms) - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Other Diseases of Respiratory Organs - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Diarrhoea and Enteritis (under 2 years) - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Appendicitis and Typhlitis - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
All Liver Diseases (not Malignant) - - - - -	1	-	-	-	-	-	-	-	-	1	-	-
Other Diseases of Digestive System (under 2 years) - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Nephritis and Bright's Disease - - - - -	2	-	-	-	1	-	-	-	-	1	-	-
Puerperal Sepsis - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Other Diseases & Accidents of Pregnancy & Parturition - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Congenital Debility and Malformation, including Pre-mature Birth - - - - -	4	4	-	-	-	-	-	-	-	-	-	-
Violent Deaths, excluding Suicide - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Suicide - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Other Defined Diseases - - - - -	16	-	-	-	-	1	-	-	5	6	2	2
Diseases Ill-defined or Unknown - - - - -	2	-	-	-	-	-	-	-	-	-	2	-
All Causes - - - - -	44	7	1	1	1	2	3	1	6	12	6	4

## FALKIRK—January 1916.

CAUSES OF DEATH.	All Ages.	Age.										
		-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-
Enteric Fever - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Typhus Fever - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Small-pox - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Measles - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Scarlet Fever - - - - -	1	-	1	-	-	-	-	-	-	-	-	-
Whooping-cough - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Diphtheria and Croup - - - - -	1	-	1	-	-	-	-	-	-	-	-	-
Influenza - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Erysipelas - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Phthisis, Pulmonary Tuberculosis - - - - -	1	-	-	-	-	1	-	-	-	-	-	-
Tuberculous Meningitis - - - - -	2	-	1	1	-	-	-	-	-	-	-	-
Abdominal Tuberculosis - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Other Tuberculous Diseases - - - - -	2	-	1	-	-	-	-	-	-	1	-	-
Cancer, Malignant Disease - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Rheumatic Fever - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Meningitis - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Organic Heart Disease - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Bronchitis - - - - -	5	3	-	-	-	-	-	-	-	1	1	-
Pneumonia (all forms) - - - - -	4	-	-	-	-	1	1	-	-	2	-	-
Other Diseases of Respiratory Organs - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Diarrhoea and Enteritis (under 2 years) - - - - -	2	1	1	-	-	-	-	-	-	-	-	-
Appendicitis and Typhlitis - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
All Liver Diseases (not Malignant) - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Other Diseases of Digestive System (under 2 years) - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Nephritis and Bright's Disease - - - - -	1	-	-	-	-	-	-	-	1	-	-	-
Puerperal Sepsis - - - - -	1	-	-	-	-	-	1	-	-	-	-	-
Other Diseases & Accidents of Pregnancy & Parturition - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Congenital Debility and Malformation, including Pre-mature Birth - - - - -	4	4	-	-	-	-	-	-	-	-	-	-
Violent Deaths, excluding Suicide - - - - -	1	-	-	-	1	-	-	-	-	-	-	-
Suicide - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Other Defined Diseases - - - - -	7	-	-	-	-	-	-	1	1	1	-	4
Diseases Ill-defined or Unknown - - - - -	4	-	1	-	-	1	-	-	1	1	-	-
All Causes - - - - -	36	8	6	1	1	3	2	1	3	6	1	4



CAUSES OF DEATH (corrected for Transfers).

AYR—January 1916.

CAUSES OF DEATH.	All Ages.	Age.										
		-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-
Enteric Fever - - - - -	1	-	-	-	-	-	1	-	-	-	-	-
Typhus Fever - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Small-pox - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Measles - - - - -	2	-	2	-	-	-	-	-	-	-	-	-
Scarlet Fever - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Whooping-cough - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Diphtheria and Croup - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Influenza - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Erysipelas - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Phthisis, Pulmonary Tuberculosis - - - - -	4	-	-	-	-	1	2	1	-	-	-	-
Tuberculous Meningitis - - - - -	1	-	1	-	-	-	-	-	-	-	-	-
Abdominal Tuberculosis - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Other Tuberculous Diseases - - - - -	1	-	-	-	-	-	-	1	-	-	-	-
Cancer, Malignant Disease - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Rheumatic Fever - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Meningitis - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Organic Heart Disease - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Bronchitis - - - - -	1	-	-	-	-	-	-	-	-	-	-	1
Pneumonia (all forms) - - - - -	5	-	-	1	-	1	-	-	-	-	1	2
Other Diseases of Respiratory Organs - - - - -	2	-	-	-	-	-	-	-	-	-	-	2
Diarrhoea and Enteritis (under 2 years) - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Appendicitis and Typhlitis - - - - -	2	-	-	1	-	-	-	-	-	-	-	1
All Liver Diseases (not Malignant) - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Other Diseases of Digestive System (under 2 years) - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Nephritis and Bright's Disease - - - - -	3	-	-	-	-	-	-	1	-	-	1	1
Puerperal Sepsis - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Other Diseases & Accidents of Pregnancy & Parturition - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Congenital Debility and Malformation, including Pre-mature Birth - - - - -	4	4	-	-	-	-	-	-	-	-	-	-
Violent Deaths, excluding Suicide - - - - -	1	-	-	-	-	-	-	-	-	1	-	-
Suicide - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Other Defined Diseases - - - - -	10	-	1	-	1	-	1	1	1	-	3	2
Diseases Ill-defined or Unknown - - - - -	3	-	1	-	-	-	-	-	-	-	2	-
All Causes - - - - -	40	4	5	2	1	2	4	4	1	1	7	9



ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, LEITH, GREENOCK, and PERTH,

During the Month of JANUARY 1916.

OBSERVERS.	BARO-METER.		AIR TEMPERATURE.						HYGROMETER.				RAIN, AND OTHER FORMS OF PRECIPITATION.		WIND DIRECTIONS.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
	Mean at Station and 32°. Mean at Sea-Level and 32°.		Mean of		Difference from Average		Absolute Maximum and Minimum.		Mean at 9 A.M. and 9 P.M.				Number of Days. Total Fall.		Difference from Average.		Number of Observations at 9 A.M. and 9 P.M.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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North Latitude.—Glasgow, 55° 51'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 55° 51'; Leith, 55° 58'; Greenock, 55° 57'; Perth, 56° 23'; Mean, 56° 11'.  
West Longitude.—Glasgow, 4° 13'; Edinburgh, 3° 11'; Dundee, 2° 57'; Aberdeen, 2° 7'; Paisley, 4° 27'; Leith, 3° 8'; Greenock, 4° 46'; Perth, 3° 25'; Mean, 3° 32'.

\* At King's College, at 7 A.M. and 6 P.M.

† At 9 A.M. only.







**MONTHLY RETURN**  
**OF THE**  
**BIRTHS, DEATHS, AND MARRIAGES**  
**REGISTERED**  
**IN SIXTEEN OF THE PRINCIPAL TOWNS OF**  
**SCOTLAND;**  
**WITH THE CAUSES OF DEATH AT DIFFERENT PERIODS OF LIFE.**

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**FEBRUARY 1916.**

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**REPORT.**

During the month of February 1916 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1911 Census had populations of over 30,000, the births of 4194 living children, of whom 2133 were male and 2061 female. The male children number 228 less than in the previous month, and 290 less than in the corresponding month of last year. The female children number 275 less than in the previous month, and 224 less than in the corresponding month of last year. The total children of the month number 503 less than in the previous month, 256 less than the mean of the numbers of the three preceding months, and 514 less than in the corresponding month of last year. The equivalent annual birth-rate is 22·5 per thousand. It is 1·0 less than that of the previous month, 0·1 less than the mean of those of the three preceding months, and is 3·7 less than that of February of last year. In the individual towns the birth-rate of the month varied from 30·2 in Motherwell, 26·3 in Coatbridge, and 26·0 in Clydebank, to 16·0 in Perth, 16·9 in Edinburgh, and 17·9 in Kirkcaldy. In Greenock this rate was 24·7; in Glasgow, 24·1; in Falkirk, 23·3; in Hamilton, 23·2; in Ayr, 23·0; in Aberdeen, 22·8; in Kilmarnock, 22·7; in Paisley, 22·0; in Dundee, 21·1; and in Leith, 20·3.

Of the 4194 children whose births were registered, 3884, or 92·6 per cent., were legitimate, while 310, or 7·4 per cent. were illegitimate. The illegitimate children number 5 fewer than in the previous month, and 7 fewer than in February of last year, but 10 more than the mean of the numbers of the previous three months. The illegitimate rate is 0·7 more than that of the previous month, and the same amount more than the mean of these rates in the preceding three months, and the rate of February of last year. In the towns taken individually this rate ranged from 15·2 in Perth, and 13·1 in Aberdeen and in Ayr, to 0 in Motherwell and in Kirkcaldy. In Hamilton this rate was 11·1; in Dundee, 8·9; in Edinburgh, 8·6; in Paisley, 8·3; in Leith, 7·6; in Glasgow, 7·2; in Falkirk, 4·8; in Coatbridge, 3·2; in Greenock, 2·6; in Kilmarnock, 1·5; and in Clydebank, 1·1.

Marriages registered during the month numbered 1503. They are 970 fewer than in the previous month, and 750 less than the mean of the numbers of the three preceding months, but are 316 more than in February of last year. The



equivalent annual marriage-rate is 8.1 per thousand. It is 4.3 less than that of the previous month, and 3.3 less than the mean of those of the three preceding months, but is 1.5 more than that of February of last year. In the individual towns this rate ranged from 10.5 in Edinburgh, and 10.0 in Aberdeen, to 3.0 in Clydebank, and 4.8 in Hamilton. In Glasgow this rate was 8.4; in Greenock, 7.3; in Dundee, 7.1; in Kilmarnock, 6.8; in Ayr, 6.4; in Leith, 6.3; in Falkirk, 6.3; in Paisley, 6.2; in Perth, 6.2; in Kirkcaldy, 5.6; in Coatbridge, 5.3; and in Motherwell, 5.1.

Deaths registered in these towns during the month numbered 2994, 1523 being of males, and 1471 of females. These deaths included those of 221 persons with usual residence outwith the town of registration, but excluded those of 157 persons who though having usual residence in one or other of these towns died elsewhere in Scotland, and the difference, 64, falls to be deducted to get the corrected number of the month, which is thus found to be 2930. The corrected number of deaths of the month is 28 more than that of the previous month, but is 563 less than the mean of those of the three preceding months, and is 1183 less than that of February of last year.

The death-rate of the month, corrected, was 15.7. It is 1.2 more than that of the previous month, 2.0 less than the mean of those of the three preceding months, and 7.2 less than that of February of last year. In the towns taken individually the death-rate of the month, corrected, ranged from 25.5 in Coatbridge, and 20.9 in Greenock, to 10.0 in Clydebank, 12.0 in Motherwell, and 12.2 in Falkirk. In Dundee this rate was 17.4; in Paisley, 17.4; in Aberdeen 16.8; in Perth, 16.7; in Hamilton, 15.5; in Glasgow, 15.4; in Leith, 15.4; in Edinburgh, 14.6; in Ayr, 14.3; in Kirkcaldy, 12.6; and in Kilmarnock, 12.5.

Of the 2930 deaths, 798, or 27.2 per cent., were of children of less than five years old; 1327, or 45.3 per cent., were persons of more than five but less than sixty-five; and 805, or 27.5 per cent., were of persons of over sixty-five. Compared with the numbers of the previous month, deaths of children of under five are 4 fewer; and of persons of five to sixty-five, 38 fewer; but those of persons of over sixty-five are 70 more. Compared with the mean of the numbers of the three preceding months, deaths under five are 183 fewer; of five to sixty-five, 219 fewer; and of over sixty-five, 161 fewer. Compared with the numbers of February of last year, deaths under five are 688 fewer; of between five and sixty-five, 286 fewer; and of over sixty-five, 208 fewer.

Deaths of children of less than one year old numbered 443. They are 28 fewer than in the previous month, 138 less than the mean of the numbers of the three preceding months, and 446 less than that of February of last year. These deaths are equal to an infantile mortality rate of 100 per thousand of the average number of births registered monthly during the preceding twelve months. This rate is 2 more than in the previous month, but is 21 less than the mean of those of the three preceding months, and 89 less than that of February of last year. In the towns taken individually this rate ranged from 228 in Coatbridge, 144 in Greenock, and 130 in Aberdeen, to 33 in Ayr, and 47 in Leith and in Falkirk. In Kirkcaldy this rate was 123; in Dundee, 121; in Paisley, 111; in Hamilton, 111; in Perth, 102; in Motherwell, 97; in Edinburgh, 95; in Glasgow, 91; in Kilmarnock, 85; and in Clydebank, 78.

Deaths from the principal epidemic diseases numbered 281, and included 6 from enteric fever, 125 from measles, 45 from scarlet fever, 14 from whooping-cough, 60 from diphtheria, and 31 from the diarrhoeas of childhood. These deaths collectively are 15 more than in the previous month, but are 26 less than the mean of the numbers of the three preceding months, and 263 less than in February of



last year. They are equal to an annual death-rate of 1·5 per thousand, which is 0·2 more than in the previous month, but is the same as the mean of those of the three preceding months, and is 1·5 less than that of February of last year. In the individual towns this rate ranged from 11·1 in Coatbridge, where measles was prevalent, 4·4 in Greenock, 2·3 in Paisley, and 2·1 in Motherwell, to 0 in Leith, Kilmarnock and Falkirk. In Aberdeen this rate was 1·5; in Ayr, 1·5; in Perth, 1·4; in Glasgow, 1·3; in Hamilton, 1·3; in Edinburgh, 1·2; in Kirkcaldy, 1·2; in Dundee, 0·9; and in Clydebank, 0·6. Compared with the returns of the previous month, deaths from measles are 32 more, and those from diphtheria 2 more, but those from enteric fever are of the same number, while those from whooping-cough are 3 fewer, from scarlet fever 6 fewer, and from the diarrhœas of childhood 10 fewer.

Deaths registered in these towns during the month included none from either small-pox or typhus fever. Deaths from influenza (uncomplicated) numbered 12; from rheumatic fever, 7; from puerperal sepsis, 14; and from meningitis (other than cerebro-spinal or tuberculous), 38. Those from heart disease numbered 287; from malignant disease, 204; and from violence, 126, of which 8 were ascribed to suicide.

Deaths from pneumonia numbered 217, constituted 7·4 per cent., of the total deaths, and are equal to an annual death-rate of 1·2 per thousand. They numbered 43 less than in the previous month, and 324 less than in February of last year. Deaths from bronchitis numbered 203, constituted 6·9 per cent. of the total deaths of the month, and are equal to a death-rate of 1·1 per thousand. They are 21 more than in the previous month, but 334 fewer than in February of last year.

Deaths from all forms of tuberculous disease numbered 333, constituted 11·4 per cent. of the total deaths of the month, and equal an annual death-rate of 1·8 per thousand. These deaths are 14 fewer than in the previous month, and 34 fewer than in the corresponding month of last year. Of them 237 were ascribed to phthisis, which deaths constituted 8·1 per cent. of the total, and are equal to an annual death-rate of 1·3 per thousand. The phthisis deaths of the month are 2 more than those of the previous month, but 20 fewer than those of February of last year. In the individual towns the phthisis death-rate of the month varied from 1·9 in Falkirk, and 1·7 in Paisley and in Coatbridge, to 0·3 in Clydebank, 0·4 in Ayr, and 0·7 in Kilmarnock. In Greenock this rate was 1·6; in Glasgow, 1·4; in Dundee, 1·3; in Hamilton, 1·3; in Aberdeen, 1·2; in Leith, 1·2; in Perth, 1·0; in Motherwell, 0·9; in Kirkcaldy, 0·9; and in Edinburgh, 0·8.

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## METEOROLOGICAL NOTES for Eight of the Principal Towns, by A. WATT, M.A., F.R.S.E., Secretary to the Scottish Meteorological Society.

### FEBRUARY 1916.

Mean barometric pressure, 29·653 in.; less than the average of 1876–1910 by 0·194 in.

Mean temperature, 37°·7; less by 0°·8.

Mean daily range of temperature, 8°·4; less by 1°·7.

Rain, number of days, 21; greater by 5 days.

Rain, depth in inches, 4·10; greater by 1·49 in.

Wind, direction of: a 3 days' excess of winds from N. and N.E.

Hence the month was characterised by a very low mean pressure; a rather low mean temperature, with a high mean daily range; a very high mean rainfall; and an excess of northerly and north-easterly winds.

The mean pressure was 29·653 in. or 0·194 in. below the normal. The extreme range was very large, and until about 19th there were various rapid fluctuations of the barometer. At Leith pressure at sea-level was above 30 in. on 1st and from 20th to 25th, and the extremes were 30·45 in. on 23rd and 28·44 in. on 16th.

The mean temperature was 37°·7 or 0°·8 below the normal, and fully 6° below the



mean for the very mild month of January. During the first few days of the month a mild type of weather continued with highest readings on 5th or 6th ; but for the most part wintry conditions prevailed, with westerly to north-westerly winds until about 20th and easterly to north-easterly winds thereafter. Lowest readings occurred on 20th, as low as 2° at Braemar. At the chief towns the extremes were 51° at Edinburgh on 5th and 22° at Perth on 20th. Day temperatures were at times very low.

From 1st to 18th precipitation was of daily occurrence towards the north-west, and on several days heavy falls were more or less general over a great part of the country—rain until 6th and mostly snow, sleet, and hail thereafter. In eastern districts, however, there were various days during this period with only trifling amounts. On 3rd a rainstorm of considerable intensity was widely experienced,—though not along the east coast,—fully 2 in. at Glenquoich, Taynult and Leadhills,—and at various places rain or the “rainfall equivalent” of melted snow gave amounts of 1 in. or more on 5th, 6th, 7th, 8th, 12th or 18th. After 18th generally fine weather occurred in the west, with mostly unsettled conditions in east and north. On 29th considerable falls occurred towards south-east. In the extreme north, at Aberdeen, and towards the south-west amounts were below, or in close agreement with, the normal. In general, however, there was an excess,—very considerable in Central Scotland and towards the south-east,—and at Braemar and Edinburgh amounts were fully twice the normal. For the chief towns the mean was 4·10 in. or 57 per cent. above the normal.

A great deal of very stormy weather occurred, and there were nearly everywhere numerous heavy falls of snow. The heaviest general falls were around 15th, and, in east and north, towards the end of month. In hilly districts towards the north snow lay to a considerable depth continuously from 6th onwards.

Thunderstorms occurred at Edinburgh on 6th, 7th and 14th ; at Glasgow on 6th. Hail was frequent.

Sunshine amounts were above the normal in north and west ; but deficient towards the south-east. Aberdeen (85 hours) had nearly 1 hour per day more than Edinburgh (58 hours).

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES  
in the Principal Towns, FEBRUARY 1916.

TOWNS.	POPULATION.		BIRTHS.					MARRIAGES.	DEATHS.					
	Census. 1911.	Estimated to middle of 1916.	Males.	Females.	Total.	Legiti- mate.	Illegiti- mate.		Males.	Females.	Total.	Out.	In.	Total Corrected.
GLASGOW, . . .	1,008,487	1,091,600	1027	1057	2084	1933	151	725	700	666	1366	96	66	1336
EDINBURGH, . .	320,769	329,200	225	215	440	402	38	273	202	199	401	47	26	380
DUNDEE, . . .	176,085	180,300	161	141	302	275	27	102	114	133	247	6	8	249
ABERDEEN, . . .	163,391	156,400	155	127	282	245	37	124	110	118	228	21	1	208
PAISLEY, . . .	84,455	83,300	75	70	145	133	12	41	62	53	115	5	5	115
LEITH, . . . .	80,601	82,100	71	61	132	122	10	41	52	41	93	2	9	100
GREENOCK, . .	75,140	77,700	82	70	152	148	4	45	75	59	134	7	2	129
PERTH, . . . .	35,854	36,400	20	26	46	39	7	18	34	26	60	15	3	48
TOTAL . . (EIGHT TOWNS)	1,945,282	2,037,000	1816	1767	3583	3297	286	1369	1349	1295	2644	199	120	2565
COATBRIDGE, . .	43,290	45,600	50	45	95	92	3	19	49	43	92	0	0	92
MOTHERWELL . .	40,380	42,100	51	50	101	101	0	17	19	17	36	0	4	40
KIRKCALDY . . .	39,601	40,900	35	23	58	58	0	18	21	18	39	1	3	41
HAMILTON, . . .	38,644	39,100	33	29	72	64	8	15	22	18	40	2	10	48
CLYDEBANK, . .	37,548	45,700	49	45	94	93	1	11	14	13	27	1	10	36
KILMARNOCK, . .	34,728	37,300	34	33	67	66	1	20	18	22	40	8	5	37
FALKIRK, . . .	33,574	34,100	35	28	63	60	3	17	17	19	36	4	1	33
AYR, . . . . .	32,986	33,500	30	31	61	53	8	17	14	26	40	6	4	38
TOTAL . . (SIXTEEN TOWNS)	2,246,033	2,355,300	2133	2061	4194	3884	310	1503	1523	1471	2994	221	157	2930



TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES  
in the Principal Towns, FEBRUARY 1916.

TOWNS.	Birth-Rate. per 1000 of Popu- lation.	Illegiti- mate Birth- Rate per 100 Births.	Marriage- Rate per 1000 of Popu- lation.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		Principal Epidemic Diseases.	Tuber- culosis.	Phthisis.	All Re- spiratory Diseases.	Number.	* Rate per 1000 Births.
				Uncor- rected.	Cor- rected.						
GLASGOW, .	24·1	7·2	8·4	15·8	15·4	1·3	1·9	1·4	2·8	200	91
EDINBURGH, .	16·9	8·6	10·5	15·4	14·6	1·2	1·3	0·8	2·4	45	95
DUNDEE, .	21·1	8·9	7·1	17·3	17·4	0·9	1·6	1·3	2·4	37	121
ABERDEEN, .	22·8	13·1	10·0	18·4	16·8	1·5	1·5	1·2	1·9	39	130
PAISLEY, .	22·0	8·3	6·2	17·4	17·4	2·3	2·9	1·7	2·1	18	111
LEITH, .	20·3	7·6	6·3	14·3	15·4	0·0	1·8	1·2	2·6	7	47
GREENOCK, .	24·7	2·6	7·3	21·8	20·9	4·4	3·1	1·6	4·9	25	144
PERTH, .	16·0	15·2	6·2	20·8	16·7	1·4	1·0	1·0	1·4	5	102
TOTAL . (EIGHT TOWNS)	22·2	8·0	8·5	16·4	15·9	1·4	1·8	1·3	2·7	376	99
COATBRIDGE, .	26·3	3·2	5·3	25·5	25·5	11·1	2·8	1·7	2·5	21	228
MOTHERWELL, .	30·2	0·0	5·1	10·8	12·0	2·1	0·9	0·9	1·2	9	97
KIRKCALDY, .	17·9	0·0	5·6	12·0	12·6	1·2	1·2	0·9	1·9	8	123
HAMILTON, .	23·2	11·1	4·8	12·9	15·5	1·3	2·9	1·3	3·2	10	111
CLYDEBANK, .	26·0	1·1	3·0	7·5	10·0	0·6	0·6	0·3	0·0	8	78
KILMARNOCK, .	22·7	1·5	6·8	13·5	12·5	0·0	1·0	0·7	1·7	6	85
FALKIRK, .	23·3	4·8	6·3	13·3	12·2	0·0	2·2	1·9	1·9	3	47
AYR, .	23·0	13·1	6·4	15·1	14·3	1·5	0·8	0·4	0·8	2	33
TOTAL . (SIXTEEN TOWNS)	22·5	7·4	8·1	16·0	15·7	1·5	1·8	1·3	2·5	443	100

\* Based on the average number of births registered monthly during the past 12 months.

TABLE III.—BIRTH-RATE, DEATH-RATE, ETC., FOR FEBRUARY 1916, and for  
the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL  
TOWNS.

MONTH.	Birth-Rate.	Illegitimate Birth- rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM							Infantile Mortality.	Mean Temperature. (Eight Towns only.)
					Enteric Fever.	Smallpox.	Measles.	Scarlet Fever.	Whooping- Cough.	Diphtheria and Croup.	Diarrhoea (Under 2 Years).		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
FEB. 1916, .	22·5	7·4	8·1	15·7	6	0	125	45	14	60	31	100	37°·7
FEB. 1915, .	26·2	6·7	6·6	22·9	7	0	45	47	354	39	52	189	38°·3
FEB. 1914, .	27·4	7·3	6·5	17·3	5	0	169	33	24	52	49	140	42°·8
FEB. 1913, .	26·5	8·1	5·4	20·1	8	0	21	10	196	34	42	140	40°·3
FEB. 1912, .	26·1	6·4	5·4	20·5	10	0	252	12	62	56	51	148	39°·3
FEB. 1911, .	26·1	8·0	5·9	21·2	6	0	18	22	155	36	35	145	39°·7
FEB. 1910, .	27·0	7·5	5·7	19·3	11	0	169	26	27	43	28	122	39°·1
FEB. 1909, .	27·8	7·9	5·1	21·0	12	0	9	19	173	44	40	148	38°·9
FEB. 1908, .	27·5	7·9	5·8	23·1	14	3	202	22	98	32	—	164	41°·3
FEB. 1907, .	28·1	7·2	6·2	22·7	12	0	18	8	109	37	—	142	37°·1
FEB. 1906, .	28·8	7·2	6·3	19·5	13	0	107	10	27	21	—	121	36°·6

For all years up to and including 1911, figures are for Eight only of the Principal Towns.  
Figures in Columns 5-13 have, for 1913 and subsequent years, been corrected for non-resident deaths.



AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—February 1916.

CAUSES OF DEATH.	All Ages.	Age.											7
		-1	1-	5-	10-	15-	25-	35-	45-	55-	65-		
Enteric Fever - - - - -	6	-	-	-	-	4	1	1	-	-	-	-	
Typhus Fever - - - - -	-	-	-	-	-	-	-	-	-	-	-	-	
Small-pox - - - - -	-	-	-	-	-	-	-	-	-	-	-	-	
Measles - - - - -	125	30	84	7	-	4	-	-	-	-	-	-	
Scarlet Fever - - - - -	45	5	26	11	1	2	-	-	-	-	-	-	
Whooping-cough - - - - -	14	7	6	1	-	-	-	-	-	-	-	-	
Diphtheria and Croup - - - - -	60	4	41	10	3	1	-	1	-	-	-	-	
Influenza - - - - -	12	-	-	-	-	1	1	-	-	3	2	-	
Erysipelas - - - - -	3	1	-	-	-	1	-	-	1	-	-	-	
Phthisis, Pulmonary Tuberculosis - - - - -	237	1	7	5	6	51	53	56	30	25	3	-	
Tuberculous Meningitis - - - - -	30	4	18	6	2	-	-	-	-	-	-	-	
Abdominal Tuberculosis - - - - -	32	2	13	6	2	4	3	1	1	-	-	-	
Other Tuberculous Diseases - - - - -	34	1	3	4	1	11	4	2	3	4	1	-	
Cancer, Malignant Disease - - - - -	204	-	-	1	-	-	7	12	48	57	53	-	
Rheumatic Fever - - - - -	7	-	-	-	2	1	1	-	1	1	1	-	
Meningitis - - - - -	38	12	13	3	3	2	1	2	1	-	1	-	
Organic Heart Disease - - - - -	237	-	1	1	2	11	12	17	46	57	80	-	
Bronchitis - - - - -	203	26	15	-	-	-	3	11	16	36	56	-	
Pneumonia (all forms) - - - - -	217	45	59	5	3	3	13	14	19	31	21	-	
Other Diseases of Respiratory Organs - - - - -	52	7	10	2	-	2	3	2	5	4	6	-	
Diarrhoea and Enteritis (under 2 years) - - - - -	31	20	11	-	-	-	-	-	-	-	-	-	
Appendicitis and Typhlitis - - - - -	12	-	1	-	1	4	1	2	2	1	-	-	
All Liver Diseases (not Malignant) - - - - -	25	2	1	-	-	1	1	3	7	8	2	-	
Other Diseases of Digestive System (under 2 years) - - - - -	21	19	2	-	-	-	-	-	-	-	-	-	
Nephritis and Bright's Disease - - - - -	96	-	2	1	3	5	7	9	11	27	18	-	
Puerperal Sepsis - - - - -	14	-	-	-	-	5	5	4	-	-	-	-	
Other Diseases & Accidents of Pregnancy & Parturition - - - - -	20	-	-	-	-	2	9	9	-	-	-	-	
Congenital Debility and Malformation, including Pre-mature Birth - - - - -	180	175	2	1	1	1	-	-	-	-	-	-	
Violent Deaths, excluding Suicide - - - - -	118	15	10	7	3	10	7	10	21	13	12	-	
Suicide - - - - -	8	-	-	-	-	3	1	1	-	2	1	-	
Other Defined Diseases - - - - -	732	63	33	10	14	13	37	42	76	101	146	19	
Diseases Ill-defined or Unknown - - - - -	67	4	6	-	1	1	3	4	8	13	13	1	
All Causes - - - - -	2930	443	355	81	48	143	173	203	296	383	416	38	

GLASGOW—February 1916.

CAUSES OF DEATH.	All Ages.	Age.											7
		-1	1-	5-	10-	15-	25-	35-	45-	55-	65-		
Enteric Fever - - - - -	4	-	-	-	-	2	1	1	-	-	-	-	
Typhus Fever - - - - -	-	-	-	-	-	-	-	-	-	-	-	-	
Small-pox - - - - -	-	-	-	-	-	-	-	-	-	-	-	-	
Measles - - - - -	52	13	36	3	-	-	-	-	-	-	-	-	
Scarlet Fever - - - - -	21	1	12	7	-	1	-	-	-	-	-	-	
Whooping-cough - - - - -	5	2	2	1	-	-	-	-	-	-	-	-	
Diphtheria and Croup - - - - -	17	1	10	5	-	-	-	1	-	-	-	-	
Influenza - - - - -	4	-	-	-	-	-	1	-	-	-	1	-	
Erysipelas - - - - -	3	1	-	-	-	1	-	-	1	-	-	-	
Phthisis, Pulmonary Tuberculosis - - - - -	124	-	5	1	4	25	35	26	17	9	2	-	
Tuberculous Meningitis - - - - -	9	1	5	2	1	-	-	-	-	-	-	-	
Abdominal Tuberculosis - - - - -	14	2	3	4	2	1	2	-	-	-	-	-	
Other Tuberculous Diseases - - - - -	17	-	-	3	1	6	2	1	1	2	1	-	
Cancer, Malignant Disease - - - - -	90	-	-	1	-	-	1	7	27	22	25	-	
Rheumatic Fever - - - - -	3	-	-	-	1	-	1	-	-	-	1	-	
Meningitis - - - - -	21	9	6	2	2	1	-	1	-	-	-	-	
Organic Heart Disease - - - - -	108	-	-	1	1	7	5	6	15	29	32	-	
Bronchitis - - - - -	103	11	9	-	-	-	1	5	11	22	29	-	
Pneumonia (all forms) - - - - -	115	22	24	1	1	1	2	9	11	20	15	-	
Other Diseases of Respiratory Organs - - - - -	27	3	7	1	-	-	2	1	2	3	3	-	
Diarrhoea and Enteritis (under 2 years) - - - - -	12	8	4	-	-	-	-	-	-	-	-	-	
Appendicitis and Typhlitis - - - - -	7	-	-	-	1	2	1	1	2	-	-	-	
All Liver Diseases (not Malignant) - - - - -	8	-	-	-	-	-	1	1	3	2	1	-	
Other Diseases of Digestive System (under 2 years) - - - - -	9	8	1	-	-	-	-	-	-	-	-	-	
Nephritis and Bright's Disease - - - - -	55	-	2	1	1	3	2	3	9	13	12	-	
Puerperal Sepsis - - - - -	10	-	-	-	-	3	4	3	-	-	-	-	
Other Diseases & Accidents of Pregnancy & Parturition - - - - -	12	-	-	-	-	2	5	5	-	-	-	-	
Congenital Debility and Malformation, including Pre-mature Birth - - - - -	82	82	-	-	-	-	-	-	-	-	-	-	
Violent Deaths, excluding Suicide - - - - -	59	7	7	2	1	2	5	6	13	7	8	-	
Suicide - - - - -	4	-	-	-	-	2	1	-	-	1	-	-	
Other Defined Diseases - - - - -	307	27	21	7	6	8	19	19	31	44	60	-	
Diseases Ill-defined or Unknown - - - - -	34	2	5	-	1	1	3	1	4	7	4	-	
All Causes - - - - -	1336	200	159	42	23	68	94	97	147	181	194	13	



## EDINBURGH—February 1916.

CAUSES OF DEATH.	All Ages.	Age.										
		-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-
Enteric Fever - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Typhus Fever - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Small-pox - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Measles - - - - -	8	4	4	-	-	-	-	-	-	-	-	-
Scarlet Fever - - - - -	6	1	3	2	-	-	-	-	-	-	-	-
Whooping-cough - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Diphtheria and Croup - - - - -	12	-	11	-	1	-	-	-	-	-	-	-
Influenza - - - - -	3	-	-	-	-	-	-	-	-	-	1	2
Erysipelas - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Phthisis, Pulmonary Tuberculosis - - - - -	22	-	-	1	-	5	4	4	3	5	-	-
Tuberculous Meningitis - - - - -	7	1	5	1	-	-	-	-	-	-	-	-
Abdominal Tuberculosis - - - - -	3	-	1	1	-	-	-	-	1	-	-	-
Other Tuberculous Diseases - - - - -	3	-	-	-	-	1	-	-	1	1	-	-
Cancer, Malignant Disease - - - - -	34	-	-	-	-	-	2	-	8	8	12	4
Rheumatic Fever - - - - -	1	-	-	-	1	-	-	-	-	-	-	-
Meningitis - - - - -	4	-	3	-	-	-	-	-	1	-	-	-
Organic Heart Disease - - - - -	51	-	-	-	-	-	1	3	9	7	14	17
Bronchitis - - - - -	25	3	1	-	-	-	-	2	-	4	8	7
Pneumonia (all forms) - - - - -	28	4	6	1	1	-	2	1	4	3	4	2
Other Diseases of Respiratory Organs - - - - -	9	-	1	-	-	1	1	-	1	1	1	3
Diarrhoea and Enteritis (under 2 years) - - - - -	6	4	2	-	-	-	-	-	-	-	-	-
Appendicitis and Typhlitis - - - - -	1	-	-	-	-	1	-	-	-	-	-	-
All Liver Diseases (not Malignant) - - - - -	5	-	-	-	-	-	-	1	1	2	1	-
Other Diseases of Digestive System (under 2 years) - - - - -	3	2	1	-	-	-	-	-	-	-	-	-
Nephritis and Bright's Disease - - - - -	9	-	-	-	-	-	2	-	2	2	2	1
Puerperal Sepsis - - - - -	1	-	-	-	-	-	-	1	-	-	-	-
Other Diseases & Accidents of Pregnancy & Parturition - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Congenital Debility and Malformation, including Pre-mature Birth - - - - -	17	15	-	1	-	1	-	-	-	-	-	-
Violent Deaths, excluding Suicide - - - - -	11	3	-	1	-	2	-	-	2	1	1	1
Suicide - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Other Defined Diseases - - - - -	107	8	-	1	1	2	7	4	13	10	25	36
Diseases Ill-defined or Unknown - - - - -	4	-	1	-	-	-	-	1	-	1	-	1
All Causes - - - - -	380	45	39	9	4	13	19	17	46	45	69	74

## DUNDEE—February 1916.

CAUSES OF DEATH.	All Ages.	Age.										
		-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-
Enteric Fever - - - - -	1	-	-	-	-	1	-	-	-	-	-	-
Typhus Fever - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Small-pox - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Measles - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Scarlet Fever - - - - -	1	-	1	-	-	-	-	-	-	-	-	-
Whooping-cough - - - - -	1	-	1	-	-	-	-	-	-	-	-	-
Diphtheria and Croup - - - - -	6	1	4	1	-	-	-	-	-	-	-	-
Influenza - - - - -	1	-	-	-	-	-	-	-	-	1	-	-
Erysipelas - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Phthisis, Pulmonary Tuberculosis - - - - -	19	-	-	-	1	1	7	4	3	2	1	-
Tuberculous Meningitis - - - - -	1	-	1	-	-	-	-	-	-	-	-	-
Abdominal Tuberculosis - - - - -	1	-	1	-	-	-	-	-	-	-	-	-
Other Tuberculous Diseases - - - - -	2	-	-	1	-	1	-	-	-	-	-	-
Cancer, Malignant Disease - - - - -	18	-	-	-	-	-	-	-	4	6	5	2
Rheumatic Fever - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Meningitis - - - - -	4	2	-	-	-	-	1	1	-	-	-	-
Organic Heart Disease - - - - -	34	-	-	-	1	2	3	1	6	4	7	10
Bronchitis - - - - -	17	2	2	-	-	-	-	-	2	4	3	4
Pneumonia (all forms) - - - - -	15	2	3	1	1	1	3	-	2	2	-	-
Other Diseases of Respiratory Organs - - - - -	3	-	-	-	-	-	-	1	-	-	1	1
Diarrhoea and Enteritis (under 2 years) - - - - -	4	3	1	-	-	-	-	-	-	-	-	-
Appendicitis and Typhlitis - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
All Liver Diseases (not Malignant) - - - - -	1	-	-	-	-	-	-	-	-	1	-	-
Other Diseases of Digestive System (under 2 years) - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Nephritis and Bright's Disease - - - - -	3	-	-	-	-	-	-	1	-	1	1	-
Puerperal Sepsis - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Other Diseases & Accidents of Pregnancy & Parturition - - - - -	4	-	-	-	-	-	3	1	-	-	-	-
Congenital Debility and Malformation, including Pre-mature Birth - - - - -	20	20	-	-	-	-	-	-	-	-	-	-
Violent Deaths, excluding Suicide - - - - -	9	2	-	1	-	2	1	-	1	1	1	-
Suicide - - - - -	1	-	-	-	-	-	-	-	-	1	-	-
Other Defined Diseases - - - - -	75	4	1	-	-	-	2	8	7	9	14	30
Diseases Ill-defined or Unknown - - - - -	8	1	-	-	-	-	-	-	1	1	3	2
All Causes - - - - -	249	37	15	4	3	8	21	17	26	33	36	49



## ABERDEEN—February 1916.

CAUSES OF DEATH.	All Ages.	Age.										
		-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-
Enteric Fever - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Typhus Fever - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Small-pox - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Measles - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Scarlet Fever - - - - -	5	1	2	2	-	-	-	-	-	-	-	-
Whooping-cough - - - - -	2	1	1	-	-	-	-	-	-	-	-	-
Diphtheria and Croup - - - - -	8	2	3	2	-	1	-	-	-	-	-	-
Influenza - - - - -	1	-	-	-	-	-	-	-	-	-	-	1
Erysipelas - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Phthisis, Pulmonary Tuberculosis - - - - -	15	-	-	1	-	6	2	3	-	3	-	-
Tuberculous Meningitis - - - - -	2	-	1	1	-	-	-	-	-	-	-	-
Abdominal Tuberculosis - - - - -	2	-	2	-	-	-	-	-	-	-	-	-
Other Tuberculous Diseases - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Cancer, Malignant Disease - - - - -	17	-	-	-	-	-	-	1	3	4	5	4
Rheumatic Fever - - - - -	1	-	-	-	-	-	-	-	-	1	-	-
Meningitis - - - - -	1	-	1	-	-	-	-	-	-	-	-	-
Organic Heart Disease - - - - -	20	-	-	-	-	-	1	3	1	3	5	7
Bronchitis - - - - -	15	2	-	-	-	-	2	1	-	2	5	3
Pneumonia (all forms) - - - - -	6	2	1	-	-	-	2	-	-	-	-	1
Other Diseases of Respiratory Organs - - - - -	3	1	1	-	-	-	-	-	-	-	1	-
Diarrhoea and Enteritis (under 2 years) - - - - -	3	3	-	-	-	-	-	-	-	-	-	-
Appendicitis and Typhlitis - - - - -	1	-	-	-	-	-	-	-	-	1	-	-
All Liver Diseases (not Malignant) - - - - -	1	-	-	-	-	-	-	-	1	-	-	-
Other Diseases of Digestive System (under 2 years) - - - - -	2	2	-	-	-	-	-	-	-	-	-	-
Nephritis and Bright's Disease - - - - -	9	-	-	-	2	-	-	2	-	3	1	1
Puerperal Sepsis - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Other Diseases & Accidents of Pregnancy & Parturition - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Congenital Debility and Malformation, including Pre-mature Birth - - - - -	16	16	-	-	-	-	-	-	-	-	-	-
Violent Deaths, excluding Suicide - - - - -	8	2	1	-	-	-	-	2	-	1	-	2
Suicide - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Other Defined Diseases - - - - -	67	7	5	1	2	2	-	3	8	8	8	23
Diseases Ill-defined or Unknown - - - - -	3	-	-	-	-	-	-	-	-	1	1	1
All Causes - - - - -	208	39	18	7	4	9	7	15	13	27	26	43

## PAISLEY—February 1916.

CAUSES OF DEATH.	All Ages.	Age.										
		-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-
Enteric Fever - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Typhus Fever - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Small-pox - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Measles - - - - -	5	-	2	-	-	3	-	-	-	-	-	-
Scarlet Fever - - - - -	6	-	5	-	-	1	-	-	-	-	-	-
Whooping-cough - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Diphtheria and Croup - - - - -	4	-	3	1	-	-	-	-	-	-	-	-
Influenza - - - - -	1	-	-	-	-	-	-	-	-	1	-	-
Erysipelas - - - - -	-	-	-	-	-	-	-	-	-	1	-	-
Phthisis, Pulmonary Tuberculosis - - - - -	11	-	-	-	1	3	-	3	2	2	-	-
Tuberculous Meningitis - - - - -	1	-	1	-	-	-	-	-	-	-	-	-
Abdominal Tuberculosis - - - - -	3	-	2	1	-	-	-	-	-	-	-	-
Other Tuberculous Diseases - - - - -	4	-	1	-	-	2	-	-	-	1	-	-
Cancer, Malignant Disease - - - - -	10	-	-	-	-	-	-	1	1	5	2	1
Rheumatic Fever - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Meningitis - - - - -	1	-	1	-	-	-	-	-	-	-	-	-
Organic Heart Disease - - - - -	6	-	-	-	-	-	-	-	1	1	4	-
Bronchitis - - - - -	6	-	-	-	-	-	-	-	1	2	2	1
Pneumonia (all forms) - - - - -	8	3	2	-	-	-	1	1	-	-	1	-
Other Diseases of Respiratory Organs - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Diarrhoea and Enteritis (under 2 years) - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Appendicitis and Typhlitis - - - - -	1	-	-	-	-	1	-	-	-	-	-	-
All Liver Diseases (not Malignant) - - - - -	2	-	1	-	-	-	-	-	-	1	-	-
Other Diseases of Digestive System (under 2 years) - - - - -	1	1	-	-	-	-	-	-	-	-	-	-
Nephritis and Bright's Disease - - - - -	1	-	-	-	-	-	-	-	-	-	-	1
Puerperal Sepsis - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Other Diseases & Accidents of Pregnancy & Parturition - - - - -	1	-	-	-	-	-	-	1	-	-	-	-
Congenital Debility and Malformation, including Pre-mature Birth - - - - -	9	9	-	-	-	-	-	-	-	-	-	-
Violent Deaths, excluding Suicide - - - - -	3	-	-	-	1	-	1	-	-	-	-	1
Suicide - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Other Defined Diseases - - - - -	28	5	1	-	-	1	2	-	3	-	6	9
Diseases Ill-defined or Unknown - - - - -	3	-	-	-	-	-	-	1	1	-	1	-
All Causes - - - - -	115	18	19	2	2	11	4	7	9	14	16	13



## LEITH—February 1916.

CAUSES OF DEATH.	All Ages.	Age.										
		-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-
Enteric Fever - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Typhus Fever - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Small-pox - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Measles - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Scarlet Fever - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Whooping-cough - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Diphtheria and Croup - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Influenza - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Erysipelas - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Phthisis, Pulmonary Tuberculosis - - - - -	8	-	-	1	-	2	1	3	-	1	-	-
Tuberculous Meningitis - - - - -	2	-	-	2	-	-	-	-	-	-	-	-
Abdominal Tuberculosis - - - - -	2	-	1	-	-	1	-	-	-	-	-	-
Other Tuberculous Diseases - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Cancer, Malignant Disease - - - - -	4	-	-	-	-	-	-	-	1	1	1	1
Rheumatic Fever - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Meningitis - - - - -	1	-	-	-	-	-	-	-	-	-	1	-
Organic Heart Disease - - - - -	14	-	-	-	-	-	-	-	2	2	6	4
Bronchitis - - - - -	2	-	-	-	-	-	-	-	-	-	2	-
Pneumonia (all forms) - - - - -	10	1	3	-	-	-	2	1	-	1	1	1
Other Diseases of Respiratory Organs - - - - -	5	1	-	1	-	-	-	-	2	-	-	1
Diarrhoea and Enteritis (under 2 years) - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Appendicitis and Typhlitis - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
All Liver Diseases (not Malignant) - - - - -	1	1	-	-	-	-	-	-	-	-	-	-
Other Diseases of Digestive System (under 2 years) - - - - -	1	1	-	-	-	-	-	-	-	-	-	-
Nephritis and Bright's Disease - - - - -	4	-	-	-	-	-	1	1	-	1	1	-
Puerperal Sepsis - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Other Diseases & Accidents of Pregnancy & Parturition - - - - -	1	-	-	-	-	-	-	1	-	-	-	-
Congenital Debility and Malformation, including Pre- mature Birth - - - - -	2	1	1	-	-	-	-	-	-	-	-	-
Violent Deaths, excluding Suicide - - - - -	7	1	-	-	-	-	-	1	2	1	1	1
Suicide - - - - -	1	-	-	-	-	-	-	-	-	-	1	-
Other Defined Diseases - - - - -	29	1	2	-	2	-	2	2	5	8	3	4
Diseases Ill-defined or Unknown - - - - -	6	-	-	-	-	-	-	1	-	1	3	1
All Causes - - - - -	100	7	7	4	2	3	6	10	12	16	20	13

## GREENOCK—February 1916.

CAUSES OF DEATH.	All Ages.	Age.										
		-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-
Enteric Fever - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Typhus Fever - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Small-pox - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Measles - - - - -	17	4	12	1	-	-	-	-	-	-	-	-
Scarlet Fever - - - - -	1	1	-	-	-	-	-	-	-	-	-	-
Whooping-cough - - - - -	1	1	-	-	-	-	-	-	-	-	-	-
Diphtheria and Croup - - - - -	5	-	5	-	-	-	-	-	-	-	-	-
Influenza - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Erysipelas - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Phthisis, Pulmonary Tuberculosis - - - - -	10	-	1	-	-	2	2	2	2	1	-	-
Tuberculous Meningitis - - - - -	2	1	-	-	1	-	-	-	-	-	-	-
Abdominal Tuberculosis - - - - -	4	-	3	-	-	1	-	-	-	-	-	-
Other Tuberculous Diseases - - - - -	3	1	1	-	-	1	-	-	-	-	-	-
Cancer, Malignant Disease - - - - -	9	-	-	-	-	-	1	1	-	4	-	3
Rheumatic Fever - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Meningitis - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Organic Heart Disease - - - - -	9	-	-	-	-	-	-	1	1	3	2	2
Bronchitis - - - - -	10	2	1	-	-	-	-	1	1	1	1	3
Pneumonia (all forms) - - - - -	19	6	7	1	-	1	-	1	2	1	-	-
Other Diseases of Respiratory Organs - - - - -	1	-	-	-	-	1	-	-	-	-	-	-
Diarrhoea and Enteritis (under 2 years) - - - - -	3	-	3	-	-	-	-	-	-	-	-	-
Appendicitis and Typhlitis - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
All Liver Diseases (not Malignant) - - - - -	2	-	-	-	-	-	-	-	-	2	-	-
Other Diseases of Digestive System (under 2 years) - - - - -	1	1	-	-	-	-	-	-	-	-	-	-
Nephritis and Bright's Disease - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Puerperal Sepsis - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Other Diseases & Accidents of Pregnancy & Parturition - - - - -	1	-	-	-	-	-	-	1	-	-	-	-
Congenital Debility and Malformation, including Pre- mature Birth - - - - -	5	5	-	-	-	-	-	-	-	-	-	-
Violent Deaths, excluding Suicide - - - - -	8	-	1	2	1	1	-	1	1	-	-	1
Suicide - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Other Defined Diseases - - - - -	14	2	1	-	-	-	1	-	1	3	5	1
Diseases Ill-defined or Unknown - - - - -	4	1	-	-	-	-	-	-	-	1	1	1
All Causes - - - - -	129	25	35	4	2	7	4	8	8	16	9	11



CAUSES OF DEATH (corrected for Transfers)

PERTH—February 1916.

CAUSES OF DEATH.	All Ages.	Age.										
		-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-
Enteric Fever - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Typhus Fever - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Small-pox - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Measles - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Scarlet Fever - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Whooping-cough - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Diphtheria and Croup - - - - -	3	-	1	1	1	-	-	-	-	-	-	-
Influenza - - - - -	1	-	-	-	-	1	-	-	-	-	-	-
Erysipelas - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Phthisis, Pulmonary Tuberculosis - - - - -	3	-	-	-	-	-	-	1	1	1	-	-
Tuberculous Meningitis - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Abdominal Tuberculosis - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Other Tuberculous Diseases - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Cancer, Malignant Disease - - - - -	4	-	-	-	-	-	-	-	-	1	1	2
Rheumatic Fever - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Meningitis - - - - -	1	-	1	-	-	-	-	-	-	-	-	-
Organic Heart Disease - - - - -	7	-	-	-	-	-	-	1	2	-	1	3
Bronchitis - - - - -	4	1	-	-	-	-	-	-	1	-	1	1
Pneumonia (all forms) - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Other Diseases of Respiratory Organs - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Diarrhoea and Enteritis (under 2 years) - - - - -	1	1	-	-	-	-	-	-	-	-	-	-
Appendicitis and Typhlitis - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
All Liver Diseases (not Malignant) - - - - -	2	1	-	-	-	-	-	-	1	-	-	-
Other Diseases of Digestive System (under 2 years) - - - - -	1	1	-	-	-	-	-	-	-	-	-	-
Nephritis and Bright's Disease - - - - -	2	-	-	-	-	-	1	1	-	-	-	-
Puerperal Sepsis - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Other Diseases & Accidents of Pregnancy & Parturition - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Congenital Debility and Malformation, including Pre-mature Birth - - - - -	1	1	-	-	-	-	-	-	-	-	-	-
Violent Deaths, excluding Suicide - - - - -	1	-	-	-	-	-	-	-	1	-	-	-
Suicide - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Other Defined Diseases - - - - -	16	-	-	-	1	-	1	1	1	1	6	5
Diseases Ill-defined or Unknown - - - - -	1	-	-	-	-	-	-	-	-	1	-	-
All Causes - - - - -	48	5	2	1	2	1	2	4	7	4	9	11

COATBRIDGE—February 1916.

CAUSES OF DEATH.	All Ages.	Age.										
		-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-
Enteric Fever - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Typhus Fever - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Small-pox - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Measles - - - - -	37	9	25	3	-	-	-	-	-	-	-	-
Scarlet Fever - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Whooping-cough - - - - -	3	1	2	-	-	-	-	-	-	-	-	-
Diphtheria and Croup - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Influenza - - - - -	1	-	-	-	-	-	-	-	-	1	-	-
Erysipelas - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Phthisis, Pulmonary Tuberculosis - - - - -	6	-	1	1	-	3	1	-	-	-	-	-
Tuberculous Meningitis - - - - -	2	-	2	-	-	-	-	-	-	-	-	-
Abdominal Tuberculosis - - - - -	1	-	-	-	-	1	-	-	-	-	-	-
Other Tuberculous Diseases - - - - -	1	-	-	-	-	-	-	1	-	-	-	-
Cancer, Malignant Disease - - - - -	3	-	-	-	-	-	-	-	-	2	-	1
Rheumatic Fever - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Meningitis - - - - -	1	1	-	-	-	-	-	-	-	-	-	-
Organic Heart Disease - - - - -	9	-	-	-	-	-	1	-	1	2	4	1
Bronchitis - - - - -	1	-	-	-	-	-	-	1	-	-	-	-
Pneumonia (all forms) - - - - -	8	2	3	1	-	-	-	-	-	2	-	-
Other Diseases of Respiratory Organs - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Diarrhoea and Enteritis (under 2 years) - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Appendicitis and Typhlitis - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
All Liver Diseases (not Malignant) - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Other Diseases of Digestive System (under 2 years) - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Nephritis and Bright's Disease - - - - -	1	-	-	-	-	-	-	-	-	1	-	-
Puerperal Sepsis - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Other Diseases & Accidents of Pregnancy & Parturition - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Congenital Debility and Malformation, including Pre-mature Birth - - - - -	8	7	-	-	1	-	-	-	-	-	-	-
Violent Deaths, excluding Suicide - - - - -	1	-	1	-	-	-	-	-	-	-	-	-
Suicide - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Other Defined Diseases - - - - -	9	1	-	-	1	-	1	-	-	1	1	4
Diseases Ill-defined or Unknown - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
All Causes - - - - -	92	21	34	5	2	4	3	2	1	9	5	6



## MOTHERWELL—February 1916.

CAUSES OF DEATH.	All Ages.	Age.										
		-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-
Enteric Fever - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Typhus Fever - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Small-pox - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Measles - - - - -	1	-	1	-	-	-	-	-	-	-	-	-
Scarlet Fever - - - - -	3	-	2	-	1	-	-	-	-	-	-	-
Whooping-cough - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Diphtheria and Croup - - - - -	1	-	1	-	-	-	-	-	-	-	-	-
Influenza - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Erysipelas - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Phthisis, Pulmonary Tuberculosis - - - - -	3	-	-	-	-	-	-	3	-	-	-	-
Tuberculous Meningitis - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Abdominal Tuberculosis - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Other Tuberculous Diseases - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Cancer, Malignant Disease - - - - -	2	-	-	-	-	-	1	1	-	-	-	-
Rheumatic Fever - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Meningitis - - - - -	2	-	1	-	1	-	-	-	-	-	-	-
Organic Heart Disease - - - - -	3	-	-	-	-	1	-	-	1	1	-	-
Bronchitis - - - - -	4	1	1	-	-	-	-	-	-	-	2	-
Pneumonia (all forms) - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Other Diseases of Respiratory Organs - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Diarrhoea and Enteritis (under 2 years) - - - - -	2	1	1	-	-	-	-	-	-	-	-	-
Appendicitis and Typhlitis - - - - -	1	-	-	-	-	-	-	1	-	-	-	-
All Liver Diseases (not Malignant) - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Other Diseases of Digestive System (under 2 years) - - - - -	1	1	-	-	-	-	-	-	-	-	-	-
Nephritis and Bright's Disease - - - - -	3	-	-	-	-	1	-	-	-	1	1	-
Puerperal Sepsis - - - - -	2	-	-	-	-	2	-	-	-	-	-	-
Other Diseases & Accidents of Pregnancy & Parturition - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Congenital Debility and Malformation, including Pre-mature Birth - - - - -	4	4	-	-	-	-	-	-	-	-	-	-
Violent Deaths, excluding Suicide - - - - -	2	-	-	-	-	1	-	-	-	-	-	1
Suicide - - - - -	1	-	-	-	-	-	-	1	-	-	-	-
Other Defined Diseases - - - - -	4	2	-	-	1	-	-	-	-	-	1	-
Diseases Ill-defined or Unknown - - - - -	1	-	-	-	-	-	-	-	-	-	-	1
All Causes - - - - -	40	9	7	-	3	5	1	6	1	2	4	2

## KIRKCALDY—February 1916.

CAUSES OF DEATH.	All Ages.	Age.										
		-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-
Enteric Fever - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Typhus Fever - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Small-pox - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Measles - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Scarlet Fever - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Whooping-cough - - - - -	1	1	-	-	-	-	-	-	-	-	-	-
Diphtheria and Croup - - - - -	3	-	2	-	1	-	-	-	-	-	-	-
Influenza - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Erysipelas - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Phthisis, Pulmonary Tuberculosis - - - - -	3	-	-	-	-	1	-	2	-	-	-	-
Tuberculous Meningitis - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Abdominal Tuberculosis - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Other Tuberculous Diseases - - - - -	1	-	-	-	-	-	1	-	-	-	-	-
Cancer, Malignant Disease - - - - -	2	-	-	-	-	-	-	1	-	-	1	-
Rheumatic Fever - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Meningitis - - - - -	1	-	-	1	-	-	-	-	-	-	-	-
Organic Heart Disease - - - - -	4	-	-	-	-	1	-	-	1	1	-	1
Bronchitis - - - - -	5	2	1	-	-	-	-	-	-	-	-	2
Pneumonia (all forms) - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Other Diseases of Respiratory Organs - - - - -	1	1	-	-	-	-	-	-	-	-	-	-
Diarrhoea and Enteritis (under 2 years) - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Appendicitis and Typhlitis - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
All Liver Diseases (not Malignant) - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Other Diseases of Digestive System (under 2 years) - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Nephritis and Bright's Disease - - - - -	2	-	-	-	-	-	1	-	-	1	-	-
Puerperal Sepsis - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Other Diseases & Accidents of Pregnancy & Parturition - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Congenital Debility and Malformation, including Pre-mature Birth - - - - -	3	3	-	-	-	-	-	-	-	-	-	-
Violent Deaths, excluding Suicide - - - - -	1	-	-	-	-	-	-	-	-	-	-	1
Suicide - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Other Defined Diseases - - - - -	14	1	-	1	-	-	-	1	2	2	3	4
Diseases Ill-defined or Unknown - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
All Causes - - - - -	41	8	3	2	1	2	2	4	3	4	4	8



HAMILTON—February 1916.

CAUSES OF DEATH.	All Ages.	Age.										
		-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-
Enteric Fever -- -- -- -- --	-	-	-	-	-	-	-	-	-	-	-	-
Typhus Fever -- -- -- -- --	-	-	-	-	-	-	-	-	-	-	-	-
Small-pox -- -- -- -- --	-	-	-	-	-	-	-	-	-	-	-	-
Measles -- -- -- -- --	2	-	2	-	-	-	-	-	-	-	-	-
Scarlet Fever -- -- -- -- --	1	1	-	-	-	-	-	-	-	-	-	-
Whooping-cough -- -- -- -- --	1	1	-	-	-	-	-	-	-	-	-	-
Diphtheria and Croup -- -- -- -- --	-	-	-	-	-	-	-	-	-	-	-	-
Influenza -- -- -- -- --	-	-	-	-	-	-	-	-	-	-	-	-
Erysipelas -- -- -- -- --	-	-	-	-	-	-	-	-	-	-	-	-
Phthisis, Pulmonary Tuberculosis -- -- -- -- --	4	1	-	-	-	1	-	2	-	-	-	-
Tuberculous Meningitis -- -- -- -- --	3	1	2	-	-	-	-	-	-	-	-	-
Abdominal Tuberculosis -- -- -- -- --	1	-	-	-	-	-	1	-	-	-	-	-
Other Tuberculous Diseases -- -- -- -- --	1	-	-	-	-	-	1	-	-	-	-	-
Cancer, Malignant Disease -- -- -- -- --	-	-	-	-	-	-	-	-	-	-	-	-
Rheumatic Fever -- -- -- -- --	1	-	-	-	-	1	-	-	-	-	-	-
Meningitis -- -- -- -- --	-	-	-	-	-	-	-	-	-	-	-	-
Organic Heart Disease -- -- -- -- --	5	-	-	-	-	-	-	1	1	1	2	-
Bronchitis -- -- -- -- --	5	1	-	-	-	-	-	-	-	1	1	2
Pneumonia (all forms) -- -- -- -- --	5	2	-	-	-	-	-	1	-	2	-	-
Other Diseases of Respiratory Organs -- -- -- -- --	-	-	-	-	-	-	-	-	-	-	-	-
Diarrhoea and Enteritis (under 2 years) -- -- -- -- --	-	-	-	-	-	-	-	-	-	-	-	-
Appendicitis and Typhlitis -- -- -- -- --	-	-	-	-	-	-	-	-	-	-	-	-
All Liver Diseases (not Malignant) -- -- -- -- --	1	-	-	-	-	-	-	-	1	-	-	-
Other Diseases of Digestive System (under 2 years) -- -- -- -- --	1	1	-	-	-	-	-	-	-	-	-	-
Nephritis and Bright's Disease -- -- -- -- --	-	-	-	-	-	-	-	-	-	-	-	-
Puerperal Sepsis -- -- -- -- --	1	-	-	-	-	-	1	-	-	-	-	-
Other Diseases & Accidents of Pregnancy & Parturition -- -- -- -- --	-	-	-	-	-	-	-	-	-	-	-	-
Congenital Debility and Malformation, including Pre-mature Birth -- -- -- -- --	2	1	1	-	-	-	-	-	-	-	-	-
Violent Deaths, excluding Suicide -- -- -- -- --	2	-	-	-	-	1	-	-	-	1	-	-
Suicide -- -- -- -- --	1	-	-	-	-	1	-	-	-	-	-	-
Other Defined Diseases -- -- -- -- --	11	1	1	-	-	-	1	1	2	1	2	2
Diseases Ill-defined or Unknown -- -- -- -- --	-	-	-	-	-	-	-	-	-	-	-	-
All Causes -- -- -- -- --	48	10	6	-	-	4	4	5	4	6	5	4

CLYDEBANK—February 1916.

CAUSES OF DEATH.	All Ages.	Age.										
		-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-
Enteric Fever -- -- -- -- --	1	-	-	-	-	1	-	-	-	-	-	-
Typhus Fever -- -- -- -- --	-	-	-	-	-	-	-	-	-	-	-	-
Small-pox -- -- -- -- --	-	-	-	-	-	-	-	-	-	-	-	-
Measles -- -- -- -- --	-	-	-	-	-	-	-	-	-	-	-	-
Scarlet Fever -- -- -- -- --	1	-	1	-	-	-	-	-	-	-	-	-
Whooping-cough -- -- -- -- --	-	-	-	-	-	-	-	-	-	-	-	-
Diphtheria and Croup -- -- -- -- --	-	-	-	-	-	-	-	-	-	-	-	-
Influenza -- -- -- -- --	-	-	-	-	-	-	-	-	-	-	-	-
Erysipelas -- -- -- -- --	-	-	-	-	-	-	-	-	-	-	-	-
Phthisis, Pulmonary Tuberculosis -- -- -- -- --	1	-	-	-	-	-	-	1	-	-	-	-
Tuberculous Meningitis -- -- -- -- --	-	-	-	-	-	-	-	-	-	-	-	-
Abdominal Tuberculosis -- -- -- -- --	-	-	-	-	-	-	-	-	-	-	-	-
Other Tuberculous Diseases -- -- -- -- --	1	-	-	-	-	-	-	-	1	-	-	-
Cancer, Malignant Disease -- -- -- -- --	4	-	-	-	-	-	1	-	2	-	-	1
Rheumatic Fever -- -- -- -- --	-	-	-	-	-	-	-	-	-	-	-	-
Meningitis -- -- -- -- --	-	-	-	-	-	-	-	-	-	-	-	-
Organic Heart Disease -- -- -- -- --	9	-	-	-	-	-	1	1	3	1	2	1
Bronchitis -- -- -- -- --	-	-	-	-	-	-	-	-	-	-	-	-
Pneumonia (all forms) -- -- -- -- --	-	-	-	-	-	-	-	-	-	-	-	-
Other Diseases of Respiratory Organs -- -- -- -- --	-	-	-	-	-	-	-	-	-	-	-	-
Diarrhoea and Enteritis (under 2 years) -- -- -- -- --	-	-	-	-	-	-	-	-	-	-	-	-
Appendicitis and Typhlitis -- -- -- -- --	-	-	-	-	-	-	-	-	-	-	-	-
All Liver Diseases (not Malignant) -- -- -- -- --	2	-	-	-	-	-	-	-	-	-	-	-
Other Diseases of Digestive System (under 2 years) -- -- -- -- --	1	1	-	-	-	1	-	1	-	-	-	-
Nephritis and Bright's Disease -- -- -- -- --	-	-	-	-	-	-	-	-	-	-	-	-
Puerperal Sepsis -- -- -- -- --	-	-	-	-	-	-	-	-	-	-	-	-
Other Diseases & Accidents of Pregnancy & Parturition -- -- -- -- --	-	-	-	-	-	-	-	-	-	-	-	-
Congenital Debility and Malformation, including Pre-mature Birth -- -- -- -- --	6	6	-	-	-	-	-	-	-	-	-	-
Violent Deaths, excluding Suicide -- -- -- -- --	-	-	-	-	-	-	-	-	-	-	-	-
Suicide -- -- -- -- --	-	-	-	-	-	-	-	-	-	-	-	-
Other Defined Diseases -- -- -- -- --	10	1	-	-	-	-	-	1	2	2	2	2
Diseases Ill-defined or Unknown -- -- -- -- --	-	-	-	-	-	-	-	-	-	-	-	-
All Causes -- -- -- -- --	36	8	1	-	-	2	2	4	8	3	4	4



## KILMARNOCK—February 1916.

CAUSES OF DEATH.	All Ages.	Age.										
		-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-
Enteric Fever - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Typhus Fever - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Small-pox - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Measles - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Scarlet Fever - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Whooping-cough - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Diphtheria and Croup - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Influenza - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Erysipelas - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Phthisis, Pulmonary Tuberculosis - - - - -	2	-	-	-	-	1	1	-	-	-	-	-
Tuberculous Meningitis - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Abdominal Tuberculosis - - - - -	1	-	-	-	-	-	-	1	-	-	-	-
Other Tuberculous Diseases - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Cancer, Malignant Disease - - - - -	1	-	-	-	-	-	-	-	1	-	-	-
Rheumatic Fever - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Meningitis - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Organic Heart Disease - - - - -	1	-	-	-	-	-	-	-	-	1	-	-
Bronchitis - - - - -	2	-	-	-	-	-	-	1	-	-	1	-
Pneumonia (all forms) - - - - -	1	1	-	-	-	-	-	-	-	-	-	-
Other Diseases of Respiratory Organs - - - - -	2	1	1	-	-	-	-	-	-	-	-	-
Diarrhoea and Enteritis (under 2 years) - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Appendicitis and Typhlitis - - - - -	1	-	1	-	-	-	-	-	-	-	-	-
All Liver Diseases (not Malignant) - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Other Diseases of Digestive System (under 2 years) - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Nephritis and Bright's Disease - - - - -	4	-	-	-	-	1	-	1	-	2	-	-
Puerperal Sepsis - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Other Diseases & Accidents of Pregnancy & Parturition - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Congenital Debility and Malformation, including Pre-mature Birth - - - - -	2	2	-	-	-	-	-	-	-	-	-	-
Violent Deaths, excluding Suicide - - - - -	3	-	-	-	-	1	-	-	-	1	1	-
Suicide - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Other Defined Diseases - - - - -	16	2	1	-	-	-	-	2	-	1	4	6
Diseases Ill-defined or Unknown - - - - -	1	-	-	-	-	-	-	-	1	-	-	-
All Causes - - - - -	37	6	3	-	-	3	1	5	2	5	6	6

## FALKIRK—February 1916.

CAUSES OF DEATH.	All Ages.	Age.										
		-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-
Enteric Fever - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Typhus Fever - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Small-pox - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Measles - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Scarlet Fever - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Whooping-cough - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Diphtheria and Croup - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Influenza - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Erysipelas - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Phthisis, Pulmonary Tuberculosis - - - - -	5	-	-	-	-	1	-	2	1	1	-	-
Tuberculous Meningitis - - - - -	1	-	1	-	-	-	-	-	-	-	-	-
Abdominal Tuberculosis - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Other Tuberculous Diseases - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Cancer, Malignant Disease - - - - -	1	-	-	-	-	-	-	-	-	-	1	-
Rheumatic Fever - - - - -	1	-	-	-	-	-	-	-	1	-	-	-
Meningitis - - - - -	1	-	-	-	-	1	-	-	-	-	-	-
Organic Heart Disease - - - - -	3	-	1	-	-	-	-	-	-	-	-	2
Bronchitis - - - - -	3	1	-	-	-	-	-	-	-	-	1	1
Pneumonia (all forms) - - - - -	1	-	-	-	-	-	1	-	-	-	-	-
Other Diseases of Respiratory Organs - - - - -	1	-	-	-	-	-	-	-	-	-	-	1
Diarrhoea and Enteritis (under 2 years) - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Appendicitis and Typhlitis - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
All Liver Diseases (not Malignant) - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Other Diseases of Digestive System (under 2 years) - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Nephritis and Bright's Disease - - - - -	1	-	-	-	-	-	-	-	-	-	-	1
Puerperal Sepsis - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Other Diseases & Accidents of Pregnancy & Parturition - - - - -	1	-	-	-	-	-	1	-	-	-	-	-
Congenital Debility and Malformation, including Pre-mature Birth - - - - -	1	1	-	-	-	-	-	-	-	-	-	-
Violent Deaths, excluding Suicide - - - - -	2	-	-	-	-	-	-	-	1	-	-	1
Suicide - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Other Defined Diseases - - - - -	10	1	-	-	-	-	-	-	-	6	2	1
Diseases Ill-defined or Unknown - - - - -	1	-	-	-	-	-	-	-	1	-	-	-
All Causes - - - - -	33	3	2	-	-	2	2	2	4	7	4	7



CAUSES OF DEATH (corrected for Transfers).

AYR—February 1916.

CAUSES OF DEATH.	All Ages.	Age.										
		-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-
Enteric Fever - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Typhus Fever - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Small-pox - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Measles - - - - -	3	-	2	-	-	1	-	-	-	-	-	-
Scarlet Fever - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Whooping-cough - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Diphtheria and Croup - - - - -	1	-	1	-	-	-	-	-	-	-	-	-
Influenza - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Erysipelas - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Phthisis, Pulmonary Tuberculosis - - - - -	1	-	-	-	-	-	-	-	1	-	-	-
Tuberculous Meningitis - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Abdominal Tuberculosis - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Other Tuberculous Diseases - - - - -	1	-	1	-	-	-	-	-	-	-	-	-
Cancer, Malignant Disease - - - - -	5	-	-	-	-	-	-	-	1	4	-	-
Rheumatic Fever - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Meningitis - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Organic Heart Disease - - - - -	4	-	-	-	-	-	-	-	2	1	1	-
Bronchitis - - - - -	1	-	-	-	-	-	-	-	-	-	-	1
Pneumonia (all forms) - - - - -	1	-	1	-	-	-	-	-	-	-	-	-
Other Diseases of Respiratory Organs - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Diarrhoea and Enteritis (under 2 years) - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Appendicitis and Typhlitis - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
All Liver Diseases (not Malignant) - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Other Diseases of Digestive System (under 2 years) - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Nephritis and Bright's Disease - - - - -	2	-	-	-	-	-	-	-	-	2	-	-
Puerperal Sepsis - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Other Diseases & Accidents of Pregnancy & Parturition - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Congenital Debility and Malformation, including Pre-mature Birth - - - - -	2	2	-	-	-	-	-	-	-	-	-	-
Violent Deaths, excluding Suicide - - - - -	1	-	-	1	-	-	-	-	-	-	-	-
Suicide - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Other Defined Diseases - - - - -	15	-	-	-	-	-	1	-	1	4	4	5
Diseases Ill-defined or Unknown - - - - -	1	-	-	-	-	-	-	-	-	-	-	1
All Causes - - - - -	38	2	5	1	-	1	1	-	5	11	5	7



Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, LEITH, GREENOCK, and PERTH,

During the Month of FEBRUARY 1916.

OBSERVERS.	Height of Station above Sea-level.	BARO- METER.		AIR TEMPERATURE.							HYGROMETER.				RAIN, AND OTHER FORMS OF PRE- CIPITATION.		WIND DIRECTIONS.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
				Mean of		Mean of A and B (Mean Tem- perature).	Difference from Average	Absolute Maximum and Minimum.			Mean at 9 A.M. and 9 P.M.				Number of Days.	Total Fall.	Difference from Average.	Number of Observations at 9 A.M. and 9 P.M.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
		Maximum (A.)	Minimum (B.)	Maximum	Day of Month.			Minimum.	Day of Month.	Dry Bulb.	Depression of Wet Bulb.	Vapour Pressure.	Humidity.	N				NE	E	SE	S	SW	W	NW	Calm or Variable.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
		feet.	inch.	inch.	°	°	°	°	°	°	°	°	°	°	°	°	inch.	inch.	inch.	per cent.	°	inch.	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°

North Latitude.—Glasgow, 55° 51'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 55° 51'; Leith, 55° 48'; Greenock, 55° 57'; Perth, 56° 23'; Mean, 56° 11'.  
West Longitude.—Glasgow, 4° 13'; Edinburgh, 3° 11'; Dundee, 2° 57'; Aberdeen, 2° 7'; Paisley, 4° 27'; Leith, 3° 8'; Greenock, 4° 46'; Perth, 3° 25'; Mean, 3° 32'.

\* At King's College, at 7 A.M. and 6 P.M.

† At 9 A.M. only.







MONTHLY RETURN  
OF THE  
BIRTHS, DEATHS, AND MARRIAGES  
IN SIXTEEN OF THE PRINCIPAL TOWNS OF  
SCOTLAND.

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MARCH 1916.

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REPORT.

During the month of March 1916 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1911 Census had populations of over 30,000, the births of 5032 living children, of whom 2560 were male and 2472 female. The births of the month are 838 more than those of the previous month, and 563 more than the mean of the numbers of the three preceding months, but are 698 fewer than those of March of last year. The monthly birth-rate in these towns taken collectively was 25·0 per thousand. It is 2·5 more than that of the previous month, and 2·1 more than the mean of those of the three preceding months, but is 3·8 less than that of March of last year. In the towns taken individually the monthly birth-rate ranged from 40·9 in Motherwell, 31·0 in Greenock, 30·3 in Ayr, and 27·2 in Coatbridge, to 19·1 in Perth, 19·3 in Kirkcaldy, and 19·4 in Edinburgh. In Glasgow this rate was 27·0; in Dundee, 22·1; and in Aberdeen, 21·5.

Of the 5032 children whose births were registered, 4671, or 92·8 per cent., were legitimate, while 361, or 7·2 per cent., were illegitimate. The illegitimate children of the month are 51 more than those of the previous month, and 49 more than the mean of the numbers of the three preceding months, but are 13 fewer than in March of last year. The illegitimate rate of the month is 0·2 less than that of the previous month, but is 0·2 more than the mean of those of the three preceding months, and 0·7 more than that of March of last year. In these towns taken individually the illegitimate rate of the month varied from 14·6 per cent. in Aberdeen, 11·8 in Dundee, 11·6 in Ayr, and 10·9 in Edinburgh, to 2·8 in Clydebank, 3·5 in Paisley, and 3·7 in Hamilton.

Marriages registered in these towns during the month numbered 1395, and the equivalent annual marriage-rate was 6·9 per thousand. The marriages of the month are 108 fewer than those of the previous month, 658 less than the mean of the numbers of the three preceding months, and 28 fewer than in March of last year. The monthly marriage-rate is 1·2 less than that of the previous month, 3·6 less than the mean of those of the three preceding months, and 0·2 less than that of March of last year.

Deaths registered in these towns during the month numbered 3905, 2033 being of males, and 1872 of females. These deaths include those of 270 persons with usual residence outwith the towns of registration, but exclude those of 224 persons who, though dying elsewhere in Scotland, had usual residence in one or other of these towns, and the difference, 46, falls to be deducted to get the corrected number of deaths of the month, which is thus found to be 3859.

The death-rate of the month, corrected, was 19·2 per thousand. It is 3·5 more than that of the previous month, and 2·7 more than the mean of those of the three preceding months, but is 3·2 less than that of March of last year. In the towns taken individually the monthly death-rate, corrected, ranged from 23·7 in Greenock, and 23·5 in Paisley, to 10·9 in Motherwell, 12·7 in Clydebank, 15·0 in Kirkcaldy, and 15·9 in Perth. In Kilmarnock this rate was 21·9; in Falkirk, 21·8; in Coatbridge, 21·0; in Glasgow, 20·2; in Dundee, 18·9; in Edinburgh, 18·4; in Leith, 17·4; in Ayr, 17·2; in Hamilton, 16·6; and in Aberdeen, 16·1.

Deaths of children of less than one year old numbered 608. They are 165 more than in February, but 313 fewer than in March of last year. They are equal to an infantile mortality rate of 129 per thousand of the monthly average number of births during the preceding 12 months. This rate is 29 more than that of February, but 47 less than that of March of last year. In the towns taken individually this rate ranged from 200 in Kilmarnock, 182 in Paisley, 165 in Coatbridge, and 157 in Greenock, to 55 in Hamilton, 57 in Perth, and 89 in Leith. In Glasgow this rate was 129; in Edinburgh, 133; in Dundee, 129; and in Aberdeen, 122.

Deaths from the principal epidemic diseases numbered 356, and included 9 from enteric fever, 177 from measles, 36 from scarlet fever, 27 from whooping-cough, 51 from diphtheria, and 56 from the diarrhœas of childhood. Collectively these deaths are 75 more than in February, but 311 fewer than in March of last year. The monthly death-rate from these causes was 1·8 per thousand in the towns taken collectively, and in them taken individually ranged from 7·3 in Kilmarnock, 4·9 in Coatbridge, 4·2 in Paisley, and 3·3 in Greenock, to 0·3 in Perth, 0·6 in Leith and in Motherwell, and 0·9 in Dundee and Hamilton. In Glasgow this rate was 1·9; in Edinburgh, 1·0; and in Aberdeen, 1·1. Compared with the returns of the previous month, the deaths from measles are 52 more, from the diarrhœas of childhood 25 more, from whooping-cough 13 more, and from enteric fever 3 more, but those from diphtheria are 9 fewer, and those from scarlet fever are 9 fewer.

Deaths from pneumonia numbered 434, and from bronchitis, 344. Compared with the numbers of the previous month the former are 217 more, and the latter 141 more. Compared with the returns of March of last year the former are 94 fewer, and the latter 99 fewer.

Deaths from all forms of tuberculous disease numbered 462, of which 312 were attributed to phthisis. The total deaths from tubercle are 129 more than in February, and 12 more than in March of last year. The phthisis deaths are 75 more than in February and 4 more than in March of last year. The phthisis death-rate averaged 1·6 per thousand, and varied from 2·4 in Falkirk, 2·3 in Greenock, and 1·9 in Paisley, to 0·3 in Kirkcaldy, and 0·8 in Clydebank. In Glasgow this rate was 1·6; in Edinburgh, 1·1; in Dundee, 1·8; and in Aberdeen, 1·7.



METEOROLOGICAL NOTES for Eight of the Principal Towns,  
by A. WATT, M.A., F.R.S.E., Secretary to the Scottish  
Meteorological Society.

MARCH 1916.

Mean barometric pressure, 29·762 in.; less than the average of 1876–1910 by 0·053 in.

Mean temperature, 36°·9; less by 3°·3.

Mean daily range of temperature, 8°·2; less by 3°·7.

Rain, number of days, 18; greater by 1 day.

Rain, depth in inches, 2·57; less by 0·03 in.

Wind, direction of: a 9 days' excess of winds from N., N.E. or E.

Hence the month was characterised by a rather low mean pressure; an abnormally low mean temperature, with an abnormally low mean daily range; a mean rainfall practically equal to the normal; and a very large excess of northerly and easterly winds.

The mean pressure was 29·762 in., or 0·053 in. below the normal. At Leith, at sea-level, pressure was above 30 in. from 5th to 10th, on 18th, and on 31st, and the extremes were 30·17 in. on 7th and 28·88 in. on 26th.

The mean temperature of 36°·9, or 3°·3 below the normal, was below that for February (37°·7) and greatly below that for January (43°·8), and during the last fifty years a lower mean has occurred in March only in 1883 and 1888. The mean day temperature was as much as 5°·2 below the normal, but the mean of the nights only 1°·5 below. For the most part there was an almost unbroken continuation of the wintry conditions which had prevailed since early in February, and the only interruptions to a persistent easterly to north-easterly type of weather occurred on 17th and at the very end of the month. As regards the chief towns, the extremes were 55° at Perth on 31st, and 24° at Leith on 26th; at none of them was a temperature of 50° reached on more than three days; and at Edinburgh the maximum temperature on 12th was only 34°.

In eastern districts rain, snow or hail fell on 1st, and on almost every day from 6th to 26th, with as much as 1 in. of rain at Dundee on 16th and  $\frac{3}{4}$  in. at Edinburgh; whilst fine weather prevailed from 27th onwards. In west and south there were many rainless days, whilst towards north-west there was, except on the hills, no precipitation of importance until 24th. Aggregates were much above the normal in east and south-east; hardly equal to it at Aberdeen; and deficient or very deficient in west and south. At Edinburgh the month was the wettest March since 1909, whilst in the West Highlands it was the driest since that year. For the chief towns the mean was 2·57 in., or 1 per cent. below the normal.

In regions unsheltered from the prevailing easterly to northerly winds there were numerous heavy falls of snow, the most severe snowstorms occurring around 3rd, 6th, 11th, and 12th, 22nd, and 25th. In various districts very serious drifting occurred,—as in East Ross shire, around Braemar and on the Lammermoors.

Sunshine amounts were below the normal and decidedly deficient in the east, where the month was the cloudiest March since 1909.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES  
in the Principal Towns, MARCH 1916.

TOWNS.	POPULATION.		BIRTHS.					MARRIAGES.	DEATHS.					
	Census. 1911.	Estimated to middle of 1916.	Males.	Females.	Total.	Legiti- mate.	Illegiti- mate.		Males.	Females.	Total.	Out.	In.	Total Corrected.
GLASGOW, . . .	1,008,487	1,091,600	1260	1232	2492	2340	152	657	982	876	1858	86	94	1866
EDINBURGH, . .	320,769	329,200	272	269	541	482	59	255	274	265	539	75	50	514
DUNDEE, . . .	176,085	180,300	182	156	338	298	40	106	142	150	292	11	8	289
ABERDEEN, . .	163,891	165,600	146	155	301	257	44	121	122	126	248	29	7	226
PAISLEY, . . .	84,455	90,800	85	85	170	164	6	36	104	81	185	10	6	181
LEITH, . . . .	80,601	82,100	99	81	180	172	8	27	60	53	113	4	12	121
GREENOCK, . .	75,140	77,700	95	109	204	195	9	35	79	80	159	10	7	156
PERTH, . . . .	35,854	36,400	31	28	59	55	4	25	28	29	57	11	3	49
TOTAL . (EIGHT TOWNS)	1,945,282	2,053,700	2170	2115	4285	3963	322	1262	1791	1660	3451	236	187	3402
COATBRIDGE, . .	43,290	45,600	50	49	105	100	5	23	36	42	78	2	5	81
MOTHERWELL . .	40,380	42,100	71	75	146	140	6	11	20	16	36	0	3	39
KIRKCALDY . . .	39,601	40,900	37	30	67	63	4	19	31	23	54	3	1	52
HAMILTON, . . .	38,644	39,100	46	36	82	79	3	16	31	22	53	2	4	55
CLYDEBANK, . .	37,548	45,700	47	62	109	106	3	17	22	19	41	3	11	49
KILMARNOCK, . .	34,728	37,300	47	36	83	79	4	20	38	37	75	11	5	69
FALKIRK, . . . .	33,574	34,100	34	35	69	65	4	10	36	27	63	6	6	63
AYR, . . . . .	32,986	33,500	52	34	86	76	10	17	28	26	54	7	2	49
TOTAL . . . . . (SIXTEEN TOWNS)	2,246,033	2,372,000	2560	2472	5032	4671	361	1395	2033	1872	3905	270	224	3859

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES  
in the Principal Towns, MARCH 1916.

TOWNS.	Birth- Rate per 1000 of Popu- lation.	Illegiti- mate Birth- Rate per 100 Births.	Marriage- Rate per 1000 of Popu- lation.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		Principal Epidemic Diseases.	Tuber- culosis.	Phthisis.	All Re- spiratory Diseases.	Number.	* Rate per 1000 Births.
				Uncor- rected.	Cor- rected.						
GLASGOW, .	27.0	6.1	7.1	20.1	20.2	1.9	2.5	1.6	5.1	301	129
EDINBURGH, .	19.4	10.9	9.1	19.3	18.4	1.0	1.9	1.1	3.8	66	133
DUNDEE, .	22.1	11.8	6.9	19.1	18.9	0.9	2.5	1.8	4.2	41	129
ABERDEEN, .	21.5	14.6	8.6	17.7	16.1	1.1	2.1	1.7	1.9	38	122
PAISLEY, .	22.1	3.5	4.7	24.0	23.5	4.2	2.6	1.9	5.2	31	182
LEITH, .	25.9	4.4	3.9	16.2	17.4	0.6	2.0	1.7	3.2	14	89
GREENOCK, .	31.0	4.4	5.3	24.1	23.7	3.3	2.7	2.3	5.0	29	157
PERTH, .	19.1	6.8	8.1	18.5	15.9	0.3	1.0	1.0	1.6	3	57
TOTAL . (EIGHT TOWNS)	24.6	7.5	7.3	19.8	19.6	1.7	2.3	1.6	4.4	523	130
COATBRIDGE, .	27.2	4.8	6.0	20.2	21.0	4.9	2.3	1.0	3.1	16	165
MOTHERWELL, .	40.9	4.1	3.1	10.1	10.9	0.6	1.4	1.4	2.0	11	107
KIRKCALDY, .	19.3	6.0	5.5	15.6	15.0	1.4	0.9	0.3	2.6	9	134
HAMILTON, .	24.8	3.7	4.8	16.0	16.6	0.9	3.0	1.8	3.3	5	55
CLYDEBANK, .	28.2	2.8	1.4	10.6	12.7	1.3	1.0	0.8	1.6	13	119
KILMARNOCK, .	26.3	4.8	6.3	23.8	21.9	7.3	2.2	1.0	2.5	15	200
FALKIRK, .	23.9	5.8	3.5	21.8	21.8	1.4	3.8	2.4	5.2	8	118
AYR, .	30.3	11.6	6.0	19.0	17.2	1.1	2.1	1.1	4.9	8	121
TOTAL . (SIXTEEN TOWNS)	25.0	7.2	6.9	19.4	19.2	1.8	2.3	1.6	4.2	608	129

\* Based on the average number of births registered monthly during the past 12 months.



TABLE III.—BIRTH-RATE, DEATH-RATE, ETC., FOR MARCH 1916, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM							Infantile Mortality.	Mean Temperature. (Eight Towns only.)
					Enteric Fever.	Smallpox.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria and Croup.	Diarrhoea (Under 2 Years).		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
MAR. 1916, .	25·0	7·2	6·9	19·2	9	0	177	36	27	51	56	129	36°·9
MAR. 1915, .	28·8	6·5	7·1	22·4	7	0	110	51	418	45	36	176	40°·8
MAR. 1914, .	27·4	6·3	6·6	17·2	4	1	165	33	44	38	55	122	40°·8
MAR. 1913, .	26·0	7·0	7·8	18·3	9	0	28	19	221	36	73	135	41°·1
MAR. 1912, .	27·1	6·5	4·6	16·3	11	0	205	31	42	32	50	121	43°·4
MAR. 1911, .	28·7	7·9	5·5	18·3	6	0	14	18	146	24	42	123	40°·6
MAR. 1910, .	28·0	7·1	6·6	18·5	9	0	193	20	37	31	49	137	43°·3
MAR. 1909, .	30·7	7·3	5·7	23·9	13	0	7	26	262	39	44	153	37°·3
MAR. 1908, .	28·9	6·6	6·5	21·1	5	1	209	21	94	17	-	146	39°·3
MAR. 1907, .	27·6	7·5	5·7	21·1	16	0	25	3	133	31	-	136	43°·1
MAR. 1906, .	29·7	7·3	5·5	19·6	10	0	113	17	50	29	-	127	39°·6

For all years up to and including 1911, figures are for Eight only of the Principal Towns.

Figures in Columns 5-13 have, for 1913 and subsequent years, been corrected for non-resident deaths

## AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—March 1916.

CAUSES OF DEATH.	All Ages.	Age.											
		-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75	
Enteric Fever - - - - -	9	-	1	-	-	2	3	2	-	1	-	-	
Typhus Fever - - - - -	-	-	-	-	-	-	-	-	-	-	-	-	
Small-pox - - - - -	-	-	-	-	-	-	-	-	-	-	-	-	
Measles - - - - -	177	55	113	7	-	1	1	-	-	-	-	-	
Scarlet Fever - - - - -	36	1	17	14	1	1	1	-	1	-	-	-	
Whooping-cough - - - - -	27	6	19	2	-	-	-	-	-	-	-	-	
Diphtheria and Croup - - - - -	51	7	30	9	2	1	-	-	1	1	-	-	
Influenza - - - - -	19	-	-	-	-	-	-	-	1	1	8	9	
Erysipelas - - - - -	7	1	-	-	-	1	-	-	-	-	4	1	
Phthisis, Pulmonary Tuberculosis - - - - -	312	1	8	5	10	59	69	72	55	19	12	2	
Tuberculous Meningitis - - - - -	70	12	34	13	5	3	2	-	1	-	-	-	
Abdominal Tuberculosis - - - - -	32	3	18	1	4	2	-	2	2	-	-	-	
Other Tuberculous Diseases - - - - -	48	4	15	6	3	7	4	2	2	3	2	-	
Cancer, Malignant Disease - - - - -	216	-	1	-	-	-	4	15	42	70	57	27	
Rheumatic Fever - - - - -	13	-	2	1	-	3	2	1	2	-	1	1	
Meningitis - - - - -	50	13	21	2	4	4	1	1	1	1	1	1	
Organic Heart Disease - - - - -	358	-	2	3	4	14	16	27	61	84	94	53	
Bronchitis - - - - -	344	31	23	-	1	4	4	16	25	61	89	90	
Pneumonia (all forms) - - - - -	434	66	81	7	2	20	19	24	44	64	66	41	
Other Diseases of Respiratory Organs - - - - -	67	17	9	4	-	5	3	1	6	9	6	7	
Diarrhoea and Enteritis (under 2 years) - - - - -	56	46	10	-	-	-	-	-	-	-	-	-	
Appendicitis and Typhlitis - - - - -	12	-	-	2	1	4	1	1	1	2	-	-	
All Liver Diseases (not Malignant) - - - - -	23	-	-	-	-	-	1	4	4	7	4	3	
Other Diseases of Digestive System (under 2 years) - - - - -	23	20	3	-	-	-	-	-	-	-	-	-	
Nephritis and Bright's Disease - - - - -	116	1	5	1	1	3	6	12	18	31	24	14	
Puerperal Sepsis - - - - -	15	-	-	-	-	3	5	7	-	-	-	-	
Other Diseases & Accidents of Pregnancy & Parturition - - - - -	29	-	-	-	-	4	15	10	-	-	-	-	
Congenital Debility and Malformation, including Premature Birth - - - - -	235	233	1	1	-	-	-	-	-	-	-	-	
Violent Deaths, excluding Suicide - - - - -	112	5	18	13	5	5	9	13	10	13	13	8	
Suicide - - - - -	5	-	-	-	-	1	-	2	2	-	-	-	
Other Defined Diseases - - - - -	902	82	48	15	15	21	32	52	78	139	201	219	
Diseases Ill-defined or Unknown - - - - -	61	4	9	-	-	1	3	4	6	9	14	11	
All Causes - - - - -	3859	608	488	106	58	169	201	268	363	515	596	487	

## CAUSES OF DEATH (corrected for Transfers)—March 1916.

CAUSES OF DEATH.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Leith.	Greenock.	Perth.
Enteric Fever ... ..	7	...	1	...	...	...	1	...
Typhus Fever ... ..	...	...	...	...	...	...	...	...
Small-pox ... ..	...	...	...	...	...	...	...	...
Measles ... ..	94	13	3	2	7	...	14	...
Scarlet Fever ... ..	21	1	...	2	7	...	2	...
Whooping-cough ... ..	13	...	...	3	3	1	...	...
Diphtheria and Croup ... ..	19	11	2	4	9	1	2	1
Influenza ... ..	9	4	...	...	3	3	..	...
Erysipelas ... ..	3	1	1	1	...	1	...	...
Phthisis, Pulmonary Tuberculosis ... ..	151	32	28	24	15	12	15	3
Tuberculous Meningitis ... ..	37	13	5	2	2	...	3	...
Abdominal Tuberculosis ... ..	19	4	1	1	1	...	...	...
Other Tuberculous Diseases ... ..	25	3	4	3	2	2	...	...
Cancer, Malignant Disease ... ..	86	42	19	14	4	6	10	5
Rheumatic Fever ... ..	10	1	1	...	...	...	1	...
Meningitis ... ..	21	4	2	4	5	1	3	1
Organic Heart Disease ... ..	135	76	38	28	18	15	12	4
Bronchitis ... ..	175	43	42	13	18	8	14	3
Pneumonia (all forms) ... ..	262	50	18	9	21	12	16	2
Other Diseases of Respiratory Organs ... ..	31	12	4	4	1	2	3	...
Diarrhoea and Enteritis (under 2 years) ... ..	21	4	8	4	6	2	3	...
Appendicitis and Typhlitis ... ..	9	...	1	...	...	...	1	...
All Liver Diseases (not Malignant) ... ..	9	3	2	2	2	...	1	...
Other Diseases of Digestive System (under 2 years) ... ..	15	...	2	...	1	...	3	...
Nephritis and Bright's Disease ... ..	68	11	5	9	4	5	3	1
Puerperal Sepsis ... ..	10	...	1	...	...	1	1	1
Other Diseases and Accidents of Pregnancy and Parturition ... ..	13	2	1	3	1	...	2	...
Congenital Debility and Malformation, including Premature Birth ... ..	110	28	18	13	10	5	10	2
Violent Deaths, excluding Suicide ... ..	48	13	10	8	5	6	7	2
Suicide ... ..	2	1	...	...	...	...	...	...
Other Defined Diseases ... ..	404	138	68	68	34	35	29	24
Diseases Ill-defined or Unknown ... ..	39	4	4	5	2	3	...	...
AGE AT DEATH.								
Under 1 ... ..	301	66	41	38	31	14	29	3
1- 4 ... ..	263	35	27	16	26	11	27	1
5- 9 ... ..	63	12	5	4	10	3	1	1
10-14 ... ..	33	6	3	3	5	1	2	...
15-24 ... ..	93	16	11	10	9	4	6	2
25-34 ... ..	98	18	12	14	11	11	7	2
35-44 ... ..	131	39	23	16	11	9	10	3
45-54 ... ..	181	40	28	23	10	13	25	8
55-64 ... ..	224	91	47	26	32	9	16	10
65-74 ... ..	289	95	53	29	19	27	18	8
75 and over ... ..	190	96	39	47	17	19	15	11
Total Deaths ... ..	1866	514	289	226	181	121	156	49



CAUSES OF DEATH (corrected for Transfers)—March 1916—*continued*.

CAUSES OF DEATH.	Coatbridge.	Motherwell.	Kirkcaldy.	Hamilton.	Clydebank.	Kilmarnock.	Falkirk.	Ayr.
Enteric Fever ... ..	...	...	...	...	...	...	...	...
Typhus Fever ... ..	...	...	...	...	...	...	...	...
Small-pox ... ..	...	...	...	...	...	...	...	...
Measles ... ..	16	1	...	...	3	21	1	2
Scarlet Fever ... ..	...	1	...	...	...	...	2	...
Whooping-cough ... ..	2	...	3	1	...	...	1	...
Diphtheria and Croup ... ..	...	...	2	...	...	...	...	...
Influenza ... ..	...	...	...	...	...	...	...	...
Erysipelas ... ..	...	...	...	...	...	...	...	...
Phthisis, Pulmonary Tuberculosis ... ..	4	5	1	6	3	3	7	3
Tuberculous Meningitis ... ..	2	...	1	3	...	...	1	1
Abdominal Tuberculosis ... ..	1	...	...	1	...	2	2	...
Other Tuberculous Diseases ... ..	2	...	1	...	1	2	1	2
Cancer, Malignant Disease ... ..	4	1	5	3	1	5	5	6
Rheumatic Fever ... ..	...	...	...	...	...	...	...	...
Meningitis ... ..	6	...	...	...	1	1	...	1
Organic Heart Disease ... ..	2	1	6	9	4	2	5	3
Bronchitis ... ..	1	3	5	4	1	1	6	7
Pneumonia (all forms) ... ..	11	4	4	7	2	5	5	6
Other Diseases of Respiratory Organs ... ..	...	...	...	...	3	2	4	1
Diarrhoea and Enteritis (under 2 years) ... ..	1	...	...	2	2	2	...	1
Appendicitis and Typhlitis ... ..	...	...	...	...	...	1	...	...
All Liver Diseases (not Malignant) ... ..	...	1	...	...	...	...	3	...
Other Diseases of Digestive System (under 2 years) ... ..	...	...	1	1	...	...	...	...
Nephritis and Bright's Disease ... ..	...	1	2	1	1	2	1	2
Puerperal Sepsis ... ..	...	...	...	...	...	...	1	...
Other Diseases and Accidents of Pregnancy and Parturition ... ..	3	2	...	...	1	...	1	...
Congenital Debility and Malformation, including Premature Birth ... ..	9	7	4	2	8	5	3	1
Violent Deaths, excluding Suicide ... ..	3	..	3	1	3	...	2	1
Suicide ... ..	...	...	1	...	1	...	...	...
Other Defined Diseases ... ..	11	11	13	14	14	15	12	12
Diseases Ill-defined or Unknown ... ..	3	1	...	...	...	...	...	...
AGE AT DEATH.								
Under 1 ... ..	16	11	9	5	13	15	8	8
1-4 ... ..	25	5	8	8	4	18	9	5
5-9 ... ..	2	...	...	...	1	3	...	1
10-14 ... ..	1	...	1	...	...	3	...	...
15-24 ... ..	2	1	...	6	5	1	3	...
25-34 ... ..	3	5	1	6	3	2	3	5
35-44 ... ..	7	1	3	2	3	2	5	3
45-54 ... ..	3	...	5	6	6	4	6	5
55-64 ... ..	7	8	2	9	5	8	12	9
65-74 ... ..	9	4	11	6	4	8	9	7
75 and over ... ..	6	4	12	7	5	5	8	6
Total ... ..	81	39	52	55	49	69	63	49

## ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, LEITH, GREENOCK, and PERTH,

During the Month of MARCH 1916.

OBSERVERS.	Height of Station above Sea-level.	BARO- METER.		AIR TEMPERATURE.							HYGROMETER.				RAIN, AND OTHER FORMS OF PRE- CIPITATION.			WIND DIRECTIONS.										
				Mean of	Difference from Average		Absolute Maximum and Minimum.			Mean at 9 A. M. and 9 P. M.	Humidity.	Number of Days.	Total Fall.	Difference from Average.	Number of Observations at 9 A. M. and 9 P. M.													
					Maximum (A.)	Minimum (B.)	Mean of A and B (Mean Tem- perature).	Day of Month.	Minimum.						Day of Month.	Dry Bulb.	Depression of Wet Bulb.	Vapour Pressure.	N	NE	E	SE	S	SW	W	NW	Calm or Variable.	
GLASGOW, The Observatory.	184	29.545	29.753	40.8	33.6	37.2	-3.1	52	31st	28	4, 26	36.9	2.2	.179	82	15	2.15	-0.51	inch.	8	18	19	0	0	6	7	4	0
EDINBURGH, Professor R. A. SAMPSON, F. R. S.	441	29.268	29.761	39.0	32.2	35.6	-4.0	53	31st	27	25, 26	35.4	1.1	.186	90	21	2.86	+1.14	inch.	4	17	13	1	1	7	6	8	5
DUNDEE, ALEX. MACRAM, Curator of Cemeteries.	164	29.580	29.765	40.5	33.4	36.5	-3.1	53	31st	28	25, 26	35.6	1.2	.187	89	17	3.22	+1.18	inch.	5	27	0	5	0	10	2	13	0
ABERDEEN,* The Meteorological Office.	90	29.651	29.754	41.2	33.3	37.3	-2.6	54	30th	27	26th	36.5	1.1	.195	91	27	2.34	-0.08	inch.	7	6	12	5	1	4	7	17	3
PAISLEY, The Coats Observatory.	107	29.647	29.768	42.7	33.0	37.9	-3.8	54	17th	26	4th	37.8	2.3	.184	81	13	1.84	-1.23	inch.	9	8	23	4	0	5	6	5	2
LEITH,† JAMES BOLAN, Navigation School.	76	29.676	29.762	40.4	33.5	37.0	-4.1	53	31st	24	26th	37.3	1.7	.190	86	21	2.81	+1.15	inch.	8	10	24	0	2	2	10	6	0
GREENOCK, DANIEL MACALISTER, C. E., Greenock Waterworks.	233	29.498	29.769	41.9	32.3	37.1	-2.9	53	31st	26	4, 29	37.3	1.9	.186	84	13	2.24	-2.51	inch.	0	15	16	4	0	1	12	14	0
PERTH, Henry Coates, F. R. S. E., The Museum.	82	29.667	29.760	41.6	32.3	37.0	-2.8	55	31st	26	7th	36.3	1.3	.190	89	15	3.12	+0.65	inch.	6	15	12	1	1	11	3	13	0
Means	172	29.567	29.762	41.0	32.8	36.9	-3.3	..	..	..	..	36.6	1.6	.187	86	18	2.57	-0.03	inch.	6	14	15	2	1	6	7	10	1

North Latitude.—Glasgow, 55° 51'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 55° 51'; Leith, 55° 28'; Greenock, 55° 57'; Perth, 56° 23'; Mean, 56° 11'.  
 West Longitude.—Glasgow, 4° 18'; Edinburgh, 3° 11'; Dundee, 2° 57'; Aberdeen, 2° 7'; Paisley, 4° 27'; Leith, 3° 8'; Greenock, 4° 46'; Perth, 3° 25'; Mean, 3° 32'.

\* At King's College, at 7 A.M. and 6 P.M.

† At 9 A.M. only.



MONTHLY RETURN  
OF THE  
BIRTHS, DEATHS, AND MARRIAGES  
IN SIXTEEN OF THE PRINCIPAL TOWNS OF  
SCOTLAND.

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APRIL 1916.

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REPORT.

During the month of April 1916 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1911 Census had populations of over 30,000, the births of 4791 living children, of whom 2465 were male, and 2326 female. The births of the month are 241 fewer than those of the previous month, and 668 fewer than those of April of last year, but are 150 more than the mean of the numbers of the three preceding months. The monthly birth-rate in these towns taken collectively was 24·6, and is 0·4 less than that of the previous month, and 3·7 less than that of the corresponding month of last year, but is 0·9 more than the mean of those of the three preceding months. In the towns taken individually the monthly birth-rate ranged from 34·1 in Coatbridge, 32·2 in Greenock, 28·9 in Motherwell, 28·3 in Clydebank, 28·2 in Kilmarnock, and 28·1 in Hamilton, to 19·7 in Kirkcaldy, 20·5 in Edinburgh, 22·0 in Dundee, 22·5 in Perth, 22·6 in Aberdeen, and 22·9 in Ayr. In Glasgow the monthly birth-rate was 25·6.

Of the 4791 children whose births were registered, 4486, or 93·6 per cent., were legitimate, while 305, or 6·4 per cent., were illegitimate. The illegitimate children of the month are 43 fewer than those of the previous month, 19 less than the mean of the numbers of the three preceding months, and 105 fewer than those of April of last year. The illegitimate rate of the month is 0·5 less than that of the previous month, 0·6 less than the mean of those of the three preceding months, and 1·1 less than that of April of last year. In these towns taken individually the illegitimate rate of the month varied from 14·3 per cent. in Aberdeen, 13·4 in Perth, 10·5 in Edinburgh, and 9·1 in Kirkcaldy, to 1·0 in Motherwell, 1·6 in Coatbridge, and 1·9 in Clydebank. In Glasgow this rate was 5·1, and in Dundee, 6·5.

Marriages registered in these towns numbered 1548. They are 153 more than registered in March, but are 242 less than the mean of the numbers registered in the three preceding months, and 212 fewer than registered in April of last year. The monthly marriage-rate was 8·0 per thousand, which is 1·1 more than that of the previous month, but 1·1 less than the mean of those of the three preceding months, and the same amount less than that of April of last year

Deaths registered in these towns numbered 3357, 1715 being of males, and 1642 of females. These deaths include those of 223 persons with usual residence out-with the towns of registration, but exclude those of 200 persons who, though dying elsewhere in Scotland, had usual residence in one or other of these towns, and the difference, 23, falls to be deducted to get the corrected number, which is thus found to be 3334. The corrected number of deaths of the month is 525 less than that of the previous month, and 576 less than that of April of last year, but is 104 more than the mean of those of the three preceding months.

The death-rate of the month, corrected, was 17·1 per thousand. It is 2·1 less than that of the previous month, and 3·2 less than that of April of last year, but is 0·6 more than the mean of those of the three preceding months. In the towns taken individually the monthly death-rate ranged from 20·7 in Greenock, 19·1 in Paisley, and 19·0 in Edinburgh, to 13·4 in Kirkcaldy, 13·6 in Clydebank, and 14·2 in Motherwell. In Dundee this rate was 18·1; in Perth, 18·1; in Coatbridge, 18·0; in Glasgow, 17·1; in Ayr, 16·0; in Leith, 15·5; in Aberdeen, 15·0; in Hamilton, 15·0; in Falkirk, 14·7; and in Kilmarnock, 14·4.

Deaths of children of less than one year old numbered 522. They are 86 fewer than in the previous month, and 264 fewer than in April of last year, but are 15 more than the mean of the numbers of the three preceding months. They are equal to an infantile mortality rate of 116 per thousand of the monthly average number of births during the preceding twelve months. This rate is 13 less than that of the previous month, and 39 less than that of the corresponding month of last year, but is 7 more than the mean of those of the three preceding months. In the towns taken individually this rate ranged from 147 in Clydebank, 140 in Greenock, and 134 in Dundee, to 51 in Motherwell, 53 in Leith, and 63 in Ayr. In Glasgow this rate was 121; in Edinburgh, 113; and in Aberdeen, 124.

Deaths from the principal epidemic diseases numbered 298, and included 4 from enteric fever, 141 from measles, 39 from scarlet fever, 40 from whooping-cough, 30 from diphtheria, and 44 from the diarrhoeas of childhood. Collectively these deaths are 58 fewer than in the previous month, 3 less than the mean of the numbers of the three preceding months, and 339 fewer than in April of last year. The monthly death-rate from these causes was 1·5 per thousand, which is 0·3 less than that of the previous month, and 1·8 less than that of the corresponding month of last year, but is the same as the mean of those of the three preceding months. In the towns taken individually this rate ranged from 4·3 in Kilmarnock, 3·5 in Paisley, 2·7 in Coatbridge, 2·5 in Hamilton, and 2·2 in Greenock, to 0·1 in Leith, 0·3 in Perth, 0·6 in Kirkcaldy, 0·7 in Falkirk, and 0·9 in Edinburgh and in Dundee. In Glasgow this rate was 1·7; and in Aberdeen, 1·4. Compared with the returns of the previous month, deaths from whooping-cough are 13 more, and those from scarlet fever are 3 more, but those from enteric fever are 5 fewer, from the diarrhoeas of childhood 12 fewer, from diphtheria 21 fewer, and from measles 36 fewer.

Deaths from pneumonia numbered 385, and from bronchitis, 285. Compared with the returns of the previous month the former are 49 fewer, and the latter are 59 fewer. Compared with the returns of April of last year the former are of the same number, but the latter are 19 fewer.

Deaths from all forms of tuberculous disease numbered 396, of which 268 were attributed to phthisis. Compared with the returns for the previous month, the total deaths from tubercle are 66 fewer, and the latter 44 fewer. Compared with the returns of April of last year the former are 41 fewer, and the latter are 34 fewer. The monthly death-rate from phthisis was 1·4 per thousand, and varied from 2·2 in Dundee and in Leith, 1·9 in Clydebank, and 1·8 in Falkirk, to 0·6 in Hamilton, 0·7 in Kilmarnock and in Ayr, and 0·8 in Coatbridge. In Glasgow this rate was 1·3; in Edinburgh, 1·4; and in Aberdeen, 1·3.



# METEOROLOGICAL NOTES for Eight of the Principal Towns, by A. WATT, M.A., F.R.S.E., Secretary to the Scottish Meteorological Society.

APRIL 1916.

Mean barometric pressure, 29·778 in. ; less than the average of 1876–1910 by 0·094 in.

Mean temperature, 45°·3 ; greater by 0°·9.

Mean daily range of temperature, 13°·1 ; less by 0°·7.

Rain, number of days, 17 ; greater by 2 days.

Rain, depth in inches, 2·71 ; greater by 0·57 in.

Wind, direction of : a 6 days' excess of winds from between S.W. and N.W.

Hence the month was characterised by a rather low mean pressure ; a slightly high mean temperature, with a slightly low mean daily range ; a rather high mean rainfall ; and an excess of winds from between S.W. and N.W.

The mean pressure was 29·778 in., or 0·094 in. below the normal. At Leith, at sea-level, pressure was above 30 in. on 1st and 2nd, from 5th to 7th, on 9th and 10th, and from 26th to 30th, and the extremes there were 30·35 in. on 29th, and 29·10 in. on 13th.

The first two or three days were mild, but with some low night readings, and at Aberdeen the extremes for the month occurred within a few hours of one another (65° on 1st and 32° on night of 1st–2nd). Thereafter temperature remained at a moderate to decidedly low level for some time, though slightly above the normal in the north-east during the second week, and almost throughout the third week a wet and very cold easterly type of weather prevailed in almost all parts of our islands, with exceptionally cold days from 18th to 20th. On 26th a southerly type developed, with highest readings very generally on that date, and the last few days of the month were decidedly mild. As regards the chief towns, the mean temperature was 45°·3 or 0°·9 above the normal ; the days were 0°·5 and the nights 1°·2 above their respective averages ; and the extremes were 69° at Paisley on 26th and 28° at Perth on 2nd.

Until 9th the weather was in general dry, and in some eastern districts little or no rain fell during the first half of the month, whilst in west and south there were moderate to rather heavy falls from 10th to 13th. From 16th to 25th very unsettled conditions prevailed, with heavy falls in western and inland districts on 16th, 23rd and 24th, and persistent rain in the east from 16th to 20th. At Edinburgh (Blackford Hill) the total fall for 18th and 19th was almost 1½ in. ; and falls exceeding 1 in. occurred at points towards north-west on 16th, near Balerno on 19th, at Killin and Leadhills on 23rd, and at Leadhills and Eskdalemuir on 24th. The last five days of the month were rainless in practically all districts. Aggregates were below the normal at Perth, in Forfarshire, and at points in extreme north and south ; but were in general above—by 50 per cent. or more at Edinburgh, Glasgow and Paisley. For the chief towns the mean was 2·71 in., or 27 per cent. above the normal.

Thunderstorms occurred at one or two points on 12th, 14th or 21st ; and hail or slight snow somewhat widely around 14th.

During the first half of the month and the last few days considerable amounts of sunshine were experienced in most districts, and the second week of the month was exceptionally sunny except towards the north-west. The third week was extremely gloomy.

NOTE.—For statistical table see p. 48.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES  
in the Principal Towns, APRIL 1916.

TOWNS.	POPULATION.		BIRTHS.					MARRIAGES.	DEATHS.					
	Census. 1911.	Estimated to middle of 1916.	Males.	Females.	Total.	Legiti- mate.	Illegiti- mate.		Males.	Females.	Total.	Out.	In.	Total Corrected.
GLASGOW, . . .	1,003,487	1,091,600	1184	1108	2292	2175	117	794	783	763	1546	92	76	1530
EDINBURGH, . .	320,769	329,200	278	274	552	494	58	248	270	265	535	68	46	513
DUNDEE, . . .	176,085	180,300	172	153	325	304	21	102	120	148	268	9	8	267
ABERDEEN, . .	163,891	165,600	142	165	307	263	44	104	97	113	210	16	9	203
PAISLEY, . . .	84,455	90,800	93	79	172	164	8	54	83	65	148	9	3	142
LEITH, . . . .	80,601	82,100	81	78	159	150	9	37	51	41	92	3	15	104
GREENOCK, . .	75,140	77,700	96	109	205	196	9	35	81	57	138	8	2	132
PERTH, . . . .	35,854	36,400	41	26	67	58	9	22	34	23	57	5	2	54
TOTAL . . . (EIGHT TOWNS)	1,945,282	2,053,700	2087	1992	4079	3804	275	1396	1519	1475	2994	210	161	2945
COATBRIDGE, . .	43,290	45,600	68	59	127	125	2	18	24	41	65	2	4	67
MOTHERWELL . .	40,380	42,100	48	52	100	99	1	21	21	24	45	1	5	49
KIRKCALDY . . .	39,601	40,900	35	31	66	60	6	10	24	15	39	0	6	45
HAMILTON, . . .	38,644	39,100	50	40	90	87	3	21	26	18	44	1	5	48
CLYDEBANK, . .	37,548	45,700	55	51	106	104	2	23	24	16	40	2	13	51
KILMARNOCK, . .	34,728	37,300	50	36	86	80	6	24	28	15	43	2	3	44
FALKIRK, . . . .	33,574	34,100	41	33	74	68	6	21	23	16	39	0	2	41
AYR, . . . . .	32,986	33,500	31	32	63	59	4	14	26	22	48	5	1	44
TOTAL . . . (SIXTEEN TOWNS)	2,246,033	2,372,000	2465	2326	4791	4486	305	1548	1715	1642	3357	223	200	3334

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES  
in the Principal Towns, APRIL 1916.

TOWNS.	Birth- Rate per 1000 of Popu- lation.	Illegiti- mate Birth- Rate per 100 Births.	Marriage- Rate per 1000 of Popu- lation.	DEATH-RATES PER 1000 of POPULATION FROM						DEATH-RATES PER 1000 BIRTHS	
				All Causes.		Principal Epidemic Diseases.	Tuber- culosis.	Phthisis.	All Re- spiratory Diseases.	Number.	* per 1000 Births.
				Uncor- rected.	Cor- rected.						
GLASGOW, . . .	25·6	5·1	8·9	17·3	17·1	1·7	2·0	1·3	3·9	268	121
EDINBURGH, . .	20·5	10·5	9·2	19·8	19·0	0·9	2·0	1·4	4·4	54	113
DUNDEE, . . .	22·0	6·5	6·9	18·1	18·1	0·9	2·6	2·2	4·1	41	134
ABERDEEN, . .	22·6	14·3	7·7	15·5	15·0	1·4	1·7	1·3	2·5	37	124
PAISLEY, . . .	23·1	4·7	7·3	19·9	19·1	3·5	1·3	1·1	4·0	16	99
LEITH, . . . .	23·6	5·7	5·5	13·7	15·5	0·1	2·5	2·2	3·4	8	53
GREENOCK, . .	32·2	4·4	5·5	21·7	20·7	2·2	2·4	1·3	5·5	25	140
PERTH, . . . .	22·5	13·4	7·4	19·1	18·1	0·3	2·0	1·3	3·7	6	115
TOTAL . . . . (EIGHT TOWNS)	24·2	6·7	8·3	17·8	17·5	1·5	2·0	1·4	3·9	455	118
COATBRIDGE, . .	34·1	1·6	4·8	17·5	18·0	2·7	2·4	0·8	4·0	12	125
MOTHERWELL, . .	28·9	1·0	6·1	13·0	14·2	1·2	2·3	1·2	1·7	5	51
KIRKCALDY, . .	19·7	9·1	3·0	11·6	13·4	0·6	1·8	0·9	1·5	8	127
HAMILTON, . . .	28·1	3·3	6·6	13·7	15·0	2·5	0·9	0·6	3·4	9	106
CLYDEBANK, . .	28·3	1·9	6·1	10·7	13·6	1·6	2·7	1·9	2·1	15	147
KILMARNOCK, . .	23·2	7·0	7·9	14·1	14·4	4·3	0·7	0·7	2·6	8	110
FALKIRK, . . . .	26·5	8·1	7·5	14·0	14·7	0·7	2·9	1·8	3·6	6	94
AYR, . . . . .	22·9	6·3	5·1	17·5	16·0	1·8	1·8	0·7	1·1	4	63
TOTAL . . . . (SIXTEEN TOWNS)	24·6	6·4	8·0	17·3	17·1	1·5	2·0	1·4	3·7	522	116

\* Based on the average number of births registered monthly during the past 12 months.



TABLE III.—BIRTH-RATE, DEATH-RATE, ETC., FOR APRIL 1916, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM							Infantile Mortality.	Mean Temperature. (Eight Towns only.)
					Enteric Fever.	Smallpox.	Measles.	Scarlet Fever.	Whooping- Cough.	Diphtheria and Croup.	Diarrhoea (Under 2 Years).		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
APR. 1916, .	24.6	6.4	8.0	17.1	4	0	141	39	40	30	44	116	45° 3
APR. 1915, .	28.3	7.5	9.1	20.3	8	0	140	33	361	37	58	155	45° 4
APR. 1914, .	28.8	6.8	10.6	16.4	10	0	107	20	52	31	51	110	48° 5
APR. 1913, .	29.3	6.3	9.4	17.4	12	0	66	13	166	30	52	111	44° 8
APR. 1912, .	31.2	6.3	10.2	16.8	3	0	195	19	57	25	40	117	47° 4
APR. 1911, .	26.4	7.0	9.5	18.2	4	0	33	9	183	25	31	123	45° 4
APR. 1910, .	29.4	6.9	7.9	19.5	2	0	254	21	27	28	69	140	43° 3
APR. 1909, .	31.1	6.9	8.3	19.5	16	0	17	17	224	29	61	135	45° 7
APR. 1908, .	32.1	7.1	10.0	19.9	3	0	147	20	74	22	-	144	42° 1
APR. 1907, .	32.4	6.9	11.6	22.2	17	0	45	9	224	19	-	147	44° 8
APR. 1906, .	31.7	6.4	10.6	19.8	6	0	83	7	67	22	-	125	44° 3

For all years up to and including 1911, figures are for Eight only of the Principal Towns.  
Figures in Columns 5-13 have, for 1913 and subsequent years, been corrected for non-resident deaths

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—April 1916.

CAUSES OF DEATH.	All Ages.	Age.											
		-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	
Enteric Fever	4	-	-	-	-	-	2	1	-	1	-	-	
Typhus	-	-	-	-	-	-	-	-	-	-	-	-	
Scarlet Fever	141	33	103	5	-	-	-	-	-	-	-	-	
Whooping-cough	39	1	18	16	3	-	-	1	-	-	-	-	
Diphtheria and Croup	40	14	25	1	-	-	-	-	-	-	-	-	
Influenza	30	1	23	2	1	2	1	-	-	-	-	-	
Erysipelas	26	-	-	-	-	-	-	2	2	7	4	11	
Phthisis, Pulmonary Tuberculosis	10	4	1	-	-	1	-	1	2	1	-	-	
Tuberculous Meningitis	268	1	9	12	8	52	56	59	48	18	5	-	
Abdominal Tuberculosis	49	7	24	8	3	4	2	1	-	-	-	-	
Other Tuberculous Diseases	41	6	18	6	7	2	-	1	1	-	-	-	
Cancer, Malignant Disease	38	5	12	5	3	5	2	2	2	-	2	-	
Rheumatic Fever	162	-	-	-	1	-	4	13	21	60	48	15	
Meningitis	8	-	1	-	4	1	-	1	1	-	-	-	
Organic Heart Disease	41	9	16	4	3	3	3	2	-	-	1	-	
Bronchitis	300	1	-	5	6	9	16	23	35	66	82	57	
Pneumonia (all forms)	285	43	21	3	1	2	3	11	27	34	74	66	
Other Diseases of Respiratory Organs	385	68	90	8	5	9	22	23	28	50	45	37	
Diarrhoea and Enteritis (under 2 years)	59	9	7	2	1	1	2	2	9	5	11	10	
Appendicitis and Typhlitis	44	35	9	-	-	-	-	-	-	-	-	-	
All Liver Diseases (not Malignant)	22	-	-	2	4	7	3	2	2	2	-	-	
Other Diseases of Digestive System	15	-	1	-	-	-	1	1	3	7	2	-	
Nephritis and Bright's Disease	90	10	21	6	1	5	2	5	10	12	12	6	
Puerperal Sepsis	102	1	3	1	4	5	11	16	28	21	5	-	
Other Diseases & Accidents of Pregnancy & Parturition	8	-	-	-	-	1	5	2	-	-	-	-	
Congenital Debility and Malformation, including Pre-mature Birth	22	-	-	-	-	6	8	8	-	-	-	-	
Violent Deaths, excluding Suicide	190	188	2	-	-	-	-	-	-	-	-	-	
Suicide	103	6	12	7	2	16	6	11	11	8	10	14	
Other Defined Diseases	13	-	-	-	-	1	1	5	1	5	-	-	
Diseases Ill-defined or Unknown	730	76	41	5	6	13	23	25	67	100	167	207	
	69	4	12	2	1	2	-	4	8	19	6	11	
All Causes	3334	522	469	100	64	147	169	217	294	423	490	439	

## DEATHS IN EACH TOWN (corrected for Transfers)—April 1916.

CAUSES OF DEATH.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Leith.	Greenock.	Perth.
Enteric Fever ... ..	1	...	...	1	...	...	...	...
Typhus Fever ... ..	...	...	...	...	...	...	...	...
Small-pox ... ..	...	...	...	...	...	...	...	...
Measles ... ..	79	10	3	3	11	1	9	...
Scarlet Fever ... ..	18	5	1	2	7	...	1	...
Whooping-cough ... ..	25	1	...	6	2	...	...	1
Diphtheria and Croup ... ..	6	7	4	2	4	...	3	...
Influenza ... ..	6	10	2	...	3	1	1	1
Erysipelas ... ..	6	...	...	...	2	...	...	...
Phthisis, Pulmonary Tuberculosis ... ..	117	37	33	18	8	15	8	4
Tuberculous Meningitis ... ..	25	5	1	3	1	...	4	...
Abdominal Tuberculosis ... ..	21	4	4	2	1	1	...	1
Other Tuberculous Diseases ... ..	17	9	1	...	...	1	3	1
Cancer, Malignant Disease ... ..	76	27	10	17	3	3	7	5
Rheumatic Fever ... ..	5	3	...	...	...	...	...	...
Meningitis ... ..	15	3	4	2	6	2	1	1
Organic Heart Disease ... ..	107	64	30	27	12	11	12	6
Bronchitis ... ..	137	41	29	14	10	12	9	4
Pneumonia (all forms) ... ..	183	62	29	18	20	9	23	5
Other Diseases of Respiratory Organs ... ..	32	15	2	2	...	2	3	2
Diarrhoea and Enteritis (under 2 years) ... ..	20	2	5	5	2	...	1	...
Appendicitis and Typhlitis ... ..	7	3	2	1	3	1	2	1
All Liver Diseases (not Malignant) ... ..	5	2	1	3	1	...	...	...
Other Diseases of Digestive System ... ..	49	11	4	3	5	2	4	...
Nephritis and Bright's Disease ... ..	52	13	4	4	3	4	4	3
Puerperal Sepsis ... ..	6	...	1	1	...	...	...	...
Other Diseases and Accidents of Pregnancy and Parturition ... ..	13	1	..	2	...	2	1	...
Congenital Debility and Malformation, including Premature Birth ... ..	100	26	17	12	6	3	5	2
Violent Deaths, excluding Suicide ... ..	40	23	11	7	1	3	4	...
Suicide ... ..	3	4	2	2	...	...	...	...
Other Defined Diseases ... ..	314	119	62	45	29	30	25	16
Diseases Ill-defined or Unknown ... ..	45	6	5	1	2	1	2	1
AGE AT DEATH.								
Under 1 ... ..	286	54	41	37	16	8	25	6
1-4 ... ..	252	39	26	19	32	10	25	2
5-9 ... ..	43	15	5	6	9	2	3	2
10-14 ... ..	36	5	4	2	4	1	...	...
15-24 ... ..	61	25	16	6	10	5	6	5
25-34 ... ..	81	22	13	10	2	11	4	1
35-44 ... ..	94	42	20	11	10	6	5	4
45-54 ... ..	133	39	33	15	11	6	12	11
55-64 ... ..	207	61	32	31	14	19	17	5
65-74 ... ..	188	107	40	30	22	18	16	13
75 and over ... ..	167	104	37	36	12	18	19	5
Total Deaths ... ..	1530	513	267	203	142	104	132	54



DEATHS IN EACH TOWN (corrected for Transfers)—April 1916—*continued.*

CAUSES OF DEATH.	Coatbridge.	Motherwell.	Kirkcaldy.	Hamilton.	Clydebank.	Kilmarnock.	Falkirk.	Ayr.
Enteric Fever ... ..	...	...	...	1	...	...	1	...
Typhus Fever ... ..	...	...	...	...	...	...	...	...
Small-pox ... ..	...	...	...	...	...	...	...	...
Measles ... ..	7	1	...	2	4	10	...	1
Scarlet Fever ... ..	...	2	...	...	1	1	...	1
Whooping-cough ... ..	3	...	2	...	...	...	...	...
Diphtheria and Croup ... ..	...	...	...	...	...	1	1	2
Influenza ... ..	...	...	...	1	1	...	...	...
Erysipelas ... ..	...	...	...	1	...	...	...	1
Phthisis, Pulmonary Tuberculosis ... ..	3	4	3	2	7	2	5	2
Tuberculous Meningitis ... ..	2	4	...	...	1	...	2	1
Abdominal Tuberculosis ... ..	2	...	2	1	...	...	1	1
Other Tuberculous Diseases ... ..	2	...	1	...	2	...	...	1
Cancer, Malignant Disease ... ..	1	3	3	...	1	...	3	3
Rheumatic Fever ... ..	...	...	...	...	...	...	...	...
Meningitis ... ..	1	1	1	2	...	...	...	2
Organic Heart Disease ... ..	6	1	7	5	2	3	5	2
Bronchitis ... ..	2	5	3	3	3	4	7	2
Pneumonia (all forms) ... ..	13	1	2	8	4	4	3	1
Other Diseases of Respiratory Organs ... ..	...	...	...	...	1	...	...	...
Diarrhoea and Enteritis (under 2 years) ... ..	...	1	...	5	1	1	...	1
Appendicitis and Typhlitis ... ..	...	...	...	1	...	...	1	...
All Liver Diseases (not Malignant) ... ..	1	2	...	...	...	...	...	...
Other Diseases of Digestive System ... ..	2	2	3	1	2	2	...	...
Nephritis and Bright's Disease ... ..	...	2	2	1	1	3	1	5
Puerperal Sepsis ... ..	...	...	...	...	...	...	...	...
Other Diseases and Accidents of Pregnancy and Parturition ... ..	2	...	...	...	...	...	...	1
Congenital Debility and Malformation, including Premature Birth ... ..	4	2	3	2	4	...	3	1
Violent Deaths, excluding Suicide ... ..	2	4	...	3	1	1	...	3
Suicide ... ..	...	...	1	...	1	...	...	...
Other Defined Diseases ... ..	12	13	12	7	14	12	8	12
Diseases Ill-defined or Unknown ... ..	2	1	...	2	...	...	...	1
AGE AT DEATH.								
Under 1 ... ..	12	5	8	9	15	8	6	4
1- 4 ... ..	18	8	6	7	7	9	2	7
5- 9 ... ..	3	4	2	1	2	...	2	1
10-14 ... ..	2	...	1	1	4	3	...	1
15-24 ... ..	2	...	4	...	1	2	...	4
25-34 ... ..	7	2	2	1	1	2	6	4
35-44 ... ..	4	4	4	5	2	3	2	1
45-54 ... ..	4	3	2	5	9	2	6	3
55-64 ... ..	5	7	2	4	1	5	7	6
65-74 ... ..	6	7	7	7	4	7	9	9
75 and over ... ..	4	9	7	8	5	3	1	4
Total Deaths ... ..	67	49	45	48	51	44	41	44

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, LEITH, GREENOCK, and PERTH,

During the Month of APRIL 1916.

OBSERVERS.	BARO-METER.		AIR TEMPERATURE.								HYGROMETER.				RAIN, AND OTHER FORMS OF PRECIPITATION.		WIND DIRECTIONS.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
	Mean at Sea-Level and 32°.		Mean of		Mean of A and B (Mean Temperature).			Difference from Average		Absolute Maximum and Minimum.				Mean at 9 A.M. and 9 P.M.				Number of Days.	Total Fall.	Difference from Average.	Number of Observations at 9 A.M. and 9 P.M.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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North Latitude.—Glasgow, 55° 51'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 55° 51'; Leith, 55° 58'; Greenock, 55° 57'; Perth, 56° 23'; Mean, 56° 11'.  
West Longitude.—Glasgow, 4° 13'; Edinburgh, 3° 11'; Dundee, 2° 57'; Aberdeen, 2° 7'; Paisley, 4° 27'; Leith, 3° 8'; Greenock, 4° 46'; Perth, 3° 25'; Mean, 3° 32'.

\* At King's College, at 7 A.M. and 6 P.M.

† At 9 A.M. only.



MONTHLY RETURN  
OF THE  
BIRTHS, DEATHS, AND MARRIAGES  
IN SIXTEEN OF THE PRINCIPAL TOWNS OF  
SCOTLAND.

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MAY 1916.

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REPORT.

During the month of May 1916 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1911 Census had populations of over 30,000, the births of 5459 living children, of whom 2749 were male, and 2710 were female. The male children of the month are 284, and the female children 384, more than those of the previous month, while the male children are 197, and the female children 229, more than those of May of last year. The total children registered during the month are 668 more than those registered in the previous month, 787 more than the mean of the numbers registered in the three preceding months, and 426 more than registered in May of last year. The equivalent annual birth-rate is 27·2 per thousand of the estimated population of these towns. It is 2·6 more than that of the previous month, 3·2 more than the mean of those of the three preceding months, and 1·9 more than that of May of last year. In the individual towns the monthly birth-rate varied from 39·9 in Hamilton, 36·2 in Clydebank, 32·5 in Motherwell, and 32·3 in Greenock, to 20·5 in Edinburgh, 21·8 in Ayr, 22·2 in Kilmarnock, and 22·5 in Kirkcaldy. In Glasgow this rate was 29·7; in Coatbridge, 26·4; in Paisley, 24·8; in Leith, 24·7; in Aberdeen, 24·6; in Dundee, 24·5; in Perth, 24·3; and in Falkirk, 24·3.

Of the 5459 children whose births were registered during the month, 5080, or 93·1 per cent., were legitimate, while 379, or 6·9 per cent., were illegitimate. The illegitimate children of the month are 74 more than those of the previous month, 58 more than the mean of the numbers of the three preceding months, and 40 more than those of May of last year. The illegitimate rate of the month is 0·5 more than that of the previous month, and 0·2 more than that of May of last year, but is the same as the mean of those of the three preceding months. In the individual towns this rate varied from 10·9 in Edinburgh, 9·9 in Aberdeen, 8·1 in Ayr, 8·0 in Perth, and 7·8 in Dundee, to 1·7 in Motherwell, 2·1 in Clydebank, and 2·3 in Hamilton. In Kirkcaldy this rate was 7·7; in Paisley, 6·8; in Glasgow, 6·7; in Greenock, 6·6; in Coatbridge, 4·9; in Kilmarnock, 4·3; in Falkirk, 4·3; and in Leith, 4·1.

Marriages registered numbered 1138. They are 410 fewer than in the previous month, 344 less than the mean of the numbers of the three preceding months, and 92 fewer than in May of last year. The monthly marriage-rate is 5·7 per thousand,

which is 2·3 less than that of the previous month, 2·0 less than the mean of those of the three preceding months, and 0·5 less than that of May of last year.

Deaths registered in these towns during the month numbered 3156, 1578 being of males, and 1578 being of females. These deaths include those of 234 persons whose usual residence was outwith the towns of registration, but exclude those of 147 persons who, though having a usual residence in one or other of these towns died elsewhere in Scotland, and the difference, 87, falls to be deducted to get the corrected number of the month, which is thus found to be 3069. The corrected number is 265 less than that of the previous month, 305 less than the mean of those of the three preceding months, and 418 less than that of May of last year.

The death-rate of the month, corrected, was 15·3. It is 1·8 less than that of the previous month, 2·0 less than the mean of those of the three preceding months, and 2·2 less than that of May of last year. In the towns taken individually the corrected death-rate of the month ranged from 19·4 in Ayr, 17·7 in Kilmarnock, 17·5 in Perth, and 17·1 in Coatbridge, to 8·8 in Clydebank, 9·7 in Falkirk, and 12·6 in Motherwell. In Greenock this rate was 16·2; in Paisley, 16·1; in Aberdeen, 16·0; in Kirkcaldy, 15·9; in Glasgow, 15·7; in Edinburgh, 15·1; in Hamilton, 14·2; in Leith, 13·8; and in Dundee, 13·6.

Deaths of children of less than one year old numbered 513. They are 9 fewer than in April, 11 less than the mean of the numbers of February, March and April, and 178 fewer than in May of last year. They are equal to an infantile mortality rate of 110 per thousand of the average number of births registered monthly during the preceding twelve months, which rate is 6 less than in the previous month, 5 less than the mean of those of the three preceding months, and 22 less than that of May of last year. In the towns taken individually this rate varied from 194 in Coatbridge, 163 in Paisley, and 155 in Aberdeen, to 61 in Falkirk and in Ayr, and 65 in Clydebank. In Kilmarnock this rate was 135; in Kirkcaldy, 121; in Motherwell, 114; in Glasgow, 109; in Perth, 107; in Hamilton, 100; in Edinburgh, 99; in Leith, 96; in Dundee, 84; and in Greenock, 81.

Deaths from the principal epidemic diseases numbered 273, and included 1 from enteric fever, 133 from measles, 26 from scarlet fever, 56 from whooping-cough, 22 from diphtheria, and 35 from the diarrhoeas of childhood. Collectively these deaths are 25 fewer than in the previous month, 290 fewer than in May of last year, and 39 less than the mean of the numbers of the three preceding months. The monthly death-rate from these causes was 1·4 per thousand, which is 0·1 less than that of the previous month, and 0·2 less than the mean of those of the three preceding months, and 1·4 less than that of May of last year. In the towns taken individually this rate ranged from 3·1 in Coatbridge, 2·1 in Paisley, and 1·8 in Glasgow and in Clydebank, to 0 in Hamilton, and 0·4 in Edinburgh and in Ayr. In Perth this rate was 1·6; in Kilmarnock, 1·3; in Leith, 1·2; in Aberdeen, 1·0; in Dundee, 0·9; in Kirkcaldy, 0·9; in Motherwell, 0·8; in Falkirk, 0·7; and in Greenock, 0·6. Compared with the returns of the previous month, deaths from scarlet fever are 13 fewer; from the diarrhoeas of childhood, 9 fewer; from measles, 8 fewer; from diphtheria, 8 fewer; and from enteric fever, 3 fewer; but those from whooping-cough are 16 more.

Deaths from pneumonia numbered 253, and from bronchitis, 183. The former are 132, and the latter 102, fewer than in April. The former are 81, and the latter 28, fewer than May of last year.

Deaths from all forms of tuberculous disease numbered 454, of which 317 were attributed to phthisis. Compared with the returns of the previous month, deaths from all forms of tuberculous disease are 58 more, and from phthisis, 49 more. Compared with the returns of May of last year, deaths from all forms of tuberculous disease are 46 more, and from phthisis, 50 more.



# METEOROLOGICAL NOTES for Eight of the Principal Towns, by A. WATT, M.A., F.R.S.E., Secretary to the Scottish Meteorological Society.

MAY 1916.

Mean barometric pressure, 29·877 in.; less than the average of 1876–1910 by 0·069 in.

Mean temperature, 49°·3; less by 0°·2.

Mean daily range of temperature, 13°·3; less by 1°·7.

Rain, number of days, 19; greater by 4 days.

Rain, depth in inches, 4·02; greater by 1·68 in.

Wind, direction of: a 2 days' excess of winds from S.W.

Hence the month was characterised by a rather low mean pressure; a fractionally low mean temperature, with a low mean daily range; a high mean rainfall; and a slight excess of south-westerly winds.

The mean pressure was 29·877 in., or 0·069 in. below the normal. At Leith, at sea-level, pressure was above 30 in. on 1st and 2nd, from 17th to 23rd, and on 30th and 31st, and the extremes there were 30·40 in. on 19th and 29·45 in. on 6th.

Until 16th or 17th temperature did not rise above a moderate level with cold days at times. At Dundee and Edinburgh the thermometer remained continuously below 50° from 5th to 9th, and on 6th at Aberdeen it did not rise above 40°. From 18th to 20th, on the other hand, the days were extremely warm, and in most districts temperature was thereafter on the whole above the normal until the end of the month. The lowest reading was 28° at Braemar on night of 10th–11th, and there have been only two or three occasions during the last 60 years on which temperature in Scotland has not fallen to some lower level in the month of May. As regards the chief towns, the mean temperature was 49°·3 or 0°·2 below the normal; the days were 1°·0 below, and the nights 0°·7 above their respective averages; and the extremes were 76° at Paisley on 19th, and 34° at Dundee and elsewhere on 6th, 7th, 10th or 11th.

Heavy rains were more or less general from 5th to 7th, with fully 1 in. at Dundee, Edinburgh (University), Glasgow and elsewhere on 5th, and at Aviemore and one or two other points on 6th. Unsettled weather from 11th to 17th was followed by three practically rainless days, with rather variable conditions from 21st to 30th. On 31st heavy rains from south-west were general,—as much as 2·83 in. at Lochbuie (Mull), and 1·80 in., or one-third of the month's total, at Greenock. Aggregates were decidedly above the normal in most districts, and fully twice the normal at Inverness, Nairn, and Gordon Castle. At Glasgow the month was the wettest May for at least 50 years, but as a rule in west and south it was less wet than May 1913. For the chief towns the mean was 4·02 in., or 72 per cent. above the normal.

There was a severe thunderstorm towards the north-east on morning of 6th with heavy falls of snow, sleet, and hail. From 27th to 29th thunderstorms of more moderate intensity occurred in many districts on one or two days.

A few very sunny days did not compensate for much cloudy weather and sunshine aggregates were below the normal.

NOTE.—For statistical table see p. 56.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES  
in the Principal Towns, MAY 1916.

TOWNS.	POPULATION.		BIRTHS.					MARRIAGES.	DEATHS.					
	Census. 1911.	Estimated to middle of 1916.	Males.	Females.	Total.	Legiti- mate.	Illegiti- mate.		Males.	Females.	Total.	Out.	In.	Total Corrected.
GLASGOW, . . . . .	1,008,487	1,091,600	1401	1347	2748	2564	184	561	755	731	1486	92	53	1447
EDINBURGH, . . . . .	320,769	329,200	296	275	571	509	62	218	232	223	455	61	28	422
DUNDEE, . . . . .	176,085	180,300	166	208	374	345	29	62	99	111	210	12	10	208
ABERDEEN, . . . . .	163,891	165,600	175	170	345	311	34	101	109	128	237	20	8	225
PAISLEY, . . . . .	84,455	90,800	105	86	191	178	13	18	59	67	126	5	3	124
LEITH, . . . . .	80,601	82,100	85	87	172	165	7	29	50	44	94	5	7	96
GREENOCK, . . . . .	75,140	77,700	102	111	213	199	14	32	61	54	115	9	1	107
PERTH, . . . . .	35,854	36,400	42	33	75	69	6	23	35	29	64	14	4	54
TOTAL . (EIGHT TOWNS)	1,945,282	2,053,700	2372	2317	4689	4340	349	1054	1400	1387	2787	218	114	2633
COATBRIDGE, . . . . .	43,290	45,600	47	55	102	97	5	14	31	32	63	3	6	66
MOTHERWELL . . . . .	40,380	42,100	53	63	116	114	2	10	18	20	38	0	7	45
KIRKCALDY . . . . .	39,601	40,900	35	43	78	72	6	10	19	35	54	0	1	55
HAMILTON, . . . . .	38,644	39,100	72	60	132	129	3	4	20	22	42	1	6	47
CLYDEBANK, . . . . .	37,548	45,700	67	73	140	137	3	4	19	11	30	1	5	34
KILMARNOCK, . . . . .	34,728	37,300	36	34	70	67	3	15	29	29	58	4	2	56
FALKIRK, . . . . .	33,574	34,100	38	32	70	67	3	15	15	14	29	2	1	28
AYR, . . . . .	32,986	33,500	29	33	62	57	5	12	27	28	55	5	5	55
TOTAL . (SIXTEEN TOWNS)	2,246,033	2,372 000	2749	2710	5459	5080	379	1138	1578	1578	3156	234	147	3069

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES  
in the Principal Towns, MAY 1916.

TOWNS	Birth- Rate per 1000 of Popu- lation.	Illegiti- mate Birth- Rate per 100 Births.	Marriage- Rate per 1000 of Popu- lation.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		Principal Epidemic Diseases.	Tuber- culosis.	Phthisis.	All Re- spiratory Diseases.	Number.	* Rate per 1000 Births.
				Uncor- rected.	Cor- rected.						
GLASGOW, . . . . .	29·7	6·7	6·1	16·1	15·7	1·8	2·5	1·7	2·7	253	109
EDINBURGH, . . . . .	20·5	10·9	7·8	16·3	15·1	0·4	1·6	1·2	2·2	49	99
DUNDEE, . . . . .	24·5	7·8	4·1	13·8	13·6	0·9	2·5	2·0	1·6	27	84
ABERDEEN, . . . . .	24·6	9·9	7·2	16·9	16·0	1·0	1·6	1·5	2·8	48	155
PAISLEY, . . . . .	24·8	6·8	2·3	16·4	16·1	2·1	1·9	0·8	2·5	27	163
LEITH, . . . . .	24·7	4·1	5·6	13·5	13·3	1·2	3·2	1·9	1·9	15	96
GREENOCK, . . . . .	32·3	6·6	4·9	17·5	16·2	0·6	2·9	1·7	3·0	15	81
PERTH, . . . . .	24·3	8·0	7·5	20·8	17·5	1·6	1·6	1·3	1·9	6	107
TOTAL . (EIGHT TOWNS)	27·0	7·4	6·1	16·0	15·4	1·4	2·3	1·6	2·5	440	110
COATBRIDGE, . . . . .	26·4	4·9	3·6	16·3	17·1	3·1	2·1	1·3	2·1	19	194
MOTHERWELL, . . . . .	32·5	1·7	2·8	10·6	12·6	0·8	2·2	1·4	1·4	12	114
KIRKCALDY, . . . . .	22·5	7·7	2·9	15·6	15·9	0·9	3·7	2·6	1·4	8	121
HAMILTON, . . . . .	39·9	2·3	1·2	12·7	14·2	0·0	1·2	0·6	2·4	9	100
CLYDEBANK, . . . . .	36·2	2·1	1·0	7·8	8·3	1·8	0·8	0·8	1·3	7	65
KILMARNOCK, . . . . .	22·2	4·3	4·8	18·4	17·7	1·3	2·5	1·3	2·2	10	135
FALKIRK, . . . . .	24·3	4·3	5·2	10·1	9·7	0·7	1·4	0·3	2·1	4	61
AYR, . . . . .	21·8	8·1	4·2	19·4	19·4	0·4	4·2	3·5	3·9	4	61
TOTAL . (SIXTEEN TOWNS)	27·2	6·9	5·7	15·7	15·3	1·4	2·3	1·6	2·4	518	110

\* Based on the average number of births registered monthly during the past 12 months.



TABLE III.—BIRTH-RATE, DEATH-RATE, ETC., FOR MAY 1916, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM							Infantile Mortality.	Mean Temperature (Eight Towns only.)
					Enteric Fever.	Smallpox.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria and Croup.	Diarrhoea (Under 2 Years).		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
MAY 1916, .	27.2	6.9	5.7	15.3	1	0	133	26	56	22	35	110	49° 3
MAY 1915, .	25.3	6.7	6.2	17.5	2	0	235	30	215	31	50	132	48° 3
MAY 1914, .	27.1	6.6	3.4	15.2	5	0	104	21	72	22	42	105	50° 2
MAY 1913, .	27.6	6.6	3.5	16.5	9	0	148	22	169	34	71	116	50° 0
MAY 1912, .	28.4	7.4	3.1	15.7	7	0	125	14	57	22	53	107	51° 0
MAY 1911, .	29.7	7.4	4.5	17.5	7	1	50	17	186	16	33	134	53° 2
MAY 1910, .	29.6	7.6	4.6	16.7	3	0	184	20	36	14	43	111	49° 3
MAY 1909, .	29.0	6.9	4.2	17.7	2	0	25	20	153	23	50	121	50° 1
MAY 1908, .	29.4	6.7	4.0	16.9	3	0	80	15	60	14	-	120	52° 0
MAY 1907, .	30.9	6.4	3.7	20.1	11	0	36	13	192	15	-	123	48° 0
MAY 1906, .	30.8	6.9	3.7	19.1	5	0	82	12	82	21	-	126	48° 2

For all years up to and including 1911, figures are for Eight only of the Principal Towns.  
Figures in Columns 5-13 have, for 1913 and subsequent years, been corrected for non-resident deaths

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—May 1916.

CAUSES OF DEATH.	All Ages.	Age.											
		-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	
Enteric Fever - - - - -	1	-	-	-	-	-	-	-	1	-	-	-	
Typhus Fever - - - - -	-	-	-	-	-	-	-	-	-	-	-	-	
Small-pox - - - - -	-	-	-	-	-	-	-	-	-	-	-	-	
Measles - - - - -	133	36	93	4	-	-	-	-	-	-	-	-	
Scarlet Fever - - - - -	26	1	17	6	-	1	1	-	-	-	-	-	
Whooping-cough - - - - -	56	26	27	2	-	-	-	-	1	-	-	-	
Diphtheria and Croup - - - - -	22	2	14	4	-	2	-	-	-	-	-	-	
Influenza - - - - -	3	-	-	-	-	-	-	1	-	-	1	1	
Erysipelas - - - - -	2	1	-	-	-	-	-	-	-	-	1	-	
Phthisis, Pulmonary Tuberculosis - - - - -	317	2	5	11	12	68	66	71	49	25	6	2	
Tuberculous Meningitis - - - - -	61	7	31	13	6	3	-	-	-	-	1	-	
Abdominal Tuberculosis - - - - -	32	5	10	5	2	4	2	2	1	-	-	1	
Other Tuberculous Diseases - - - - -	44	7	13	6	5	6	4	2	1	-	-	-	
Cancer, Malignant Disease - - - - -	228	-	-	1	-	-	2	36	43	68	53	25	
Rheumatic Fever - - - - -	9	-	1	-	3	2	-	1	1	1	-	-	
Meningitis - - - - -	31	13	9	5	-	1	1	1	-	1	-	-	
Organic Heart Disease - - - - -	299	1	1	3	5	12	13	23	33	64	89	55	
Bronchitis - - - - -	183	20	11	-	1	2	5	6	14	30	56	38	
Pneumonia (all forms) - - - - -	253	51	61	8	2	11	10	12	31	23	26	18	
Other Diseases of Respiratory Organs - - - - -	54	11	7	3	-	2	2	5	7	7	8	2	
Diarrhoea and Enteritis (under 2 years) - - - - -	35	29	6	-	-	-	-	-	-	-	-	-	
Appendicitis and Typhlitis - - - - -	22	-	-	2	8	6	3	1	-	2	-	-	
All Liver Diseases (not Malignant) - - - - -	20	-	1	-	-	-	1	1	7	4	3	3	
Other Diseases of Digestive System - - - - -	83	12	11	2	2	3	9	8	9	9	9	9	
Nephritis and Bright's Disease - - - - -	109	2	1	-	-	10	6	9	25	26	24	11	
Puerperal Sepsis - - - - -	3	-	-	-	-	1	1	1	-	-	-	-	
Other Diseases & Accidents of Pregnancy & Parturition - - - - -	16	-	-	-	-	2	10	4	-	-	-	-	
Congenital Debility and Malformation, including Pre-mature Birth - - - - -	214	210	3	-	1	-	-	-	-	-	-	-	
Violent Deaths, excluding Suicide - - - - -	105	9	10	10	2	5	8	14	17	9	10	11	
Suicide - - - - -	8	-	-	-	-	-	1	4	1	-	2	-	
Other Defined Diseases - - - - -	654	68	23	13	4	10	22	32	64	88	145	185	
Diseases Ill-defined or Unknown - - - - -	46	-	6	-	-	1	3	5	5	11	8	7	
All Causes - - - - -	3069	513	361	98	53	152	170	239	305	368	442	368	

## DEATHS IN EACH TOWN (corrected for Transfers)—May 1916.

CAUSES OF DEATH.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Leith.	Greenock.	Perth.
Enteric Fever ... ..	1	...	...	...	...	...	...	...
Typhus Fever ... ..	...	...	...	...	...	...	...	...
Small-pox ... ..	...	...	...	...	...	...	...	...
Measles ... ..	99	2	7	4	8	4	3	...
Scarlet Fever ... ..	14	4	1	1	4	1	...	...
Whooping-cough ... ..	29	1	1	2	2	1	1	2
Diphtheria and Croup ... ..	13	1	1	1	1	...	...	3
Influenza ... ..	2	...	...	...	...	...	1	...
Erysipelas ... ..	2	...	...	...	...	...	...	...
Phthisis, Pulmonary Tuberculosis ...	160	33	30	21	6	13	11	4
Tuberculous Meningitis ... ..	32	4	4	1	4	4	1	...
Abdominal Tuberculosis ... ..	15	2	3	...	2	3	2	1
Other Tuberculous Diseases ... ..	21	6	1	...	3	2	5	...
Cancer, Malignant Disease ... ..	87	50	19	19	8	10	6	5
Rheumatic Fever ... ..	3	2	...	...	...	2	...	...
Meningitis ... ..	15	1	3	2	4	...	2	...
Organic Heart Disease ... ..	118	57	20	26	16	14	8	2
Bronchitis ... ..	89	21	10	16	4	7	6	2
Pneumonia (all forms) ... ..	136	31	12	18	11	4	14	4
Other Diseases of Respiratory Organs	26	10	3	5	4	2	...	...
Diarrhœa and Enteritis (under 2 years)	14	2	4	6	1	2	...	...
Appendicitis and Typhlitis ... ..	12	3	...	1	1	...	...	1
All Liver Diseases (not Malignant) ...	8	6	2	...	...	...	...	...
Other Diseases of Digestive System ...	35	14	5	4	3	3	1	2
Nephritis and Bright's Disease ... ..	62	15	5	5	2	2	4	...
Puerperal Sepsis ... ..	1	...	...	...	...	...	...	...
Other Diseases and Accidents of Pregnancy and Parturition ... ..	7	4	1	2	...	...	...	...
Congenital Debility and Malformation, including Premature Birth ... ..	102	28	15	19	9	4	5	1
Violent Deaths, excluding Suicide ...	53	13	9	8	3	2	4	1
Suicide ... ..	1	2	1	...	...	1	1	1
Other Defined Diseases ... ..	266	107	46	62	26	14	31	23
Diseases Ill-defined or Unknown ... ..	24	3	5	2	2	1	1	2
All Causes ... ..	1447	422	208	225	124	96	107	54
AGE AT DEATH.								
Under 1 ... ..	253	49	27	48	27	15	15	6
1-4 ... ..	224	20	18	13	18	12	9	5
5-9 ... ..	53	6	6	5	5	2	5	3
10-14 ... ..	25	4	4	3	2	2	1	...
15-24 ... ..	72	20	15	10	5	2	2	5
25-34 ... ..	90	18	8	14	4	5	9	2
35-44 ... ..	114	34	18	20	6	7	7	3
45-54 ... ..	138	46	20	17	19	15	14	6
55-64 ... ..	166	65	31	22	11	13	11	5
65-74 ... ..	177	83	36	31	15	13	18	10
75 and over ... ..	135	77	25	42	12	10	16	9
All Ages ... ..	1447	422	208	225	124	96	107	54



DEATHS IN EACH TOWN (corrected for Transfers)—May 1916—*continued.*

CAUSES OF DEATH.	Coatbridge.	Motherwell.	Kirkcaldy.	Hamilton.	Clydebank.	Kilmarnock.	Falkirk.	Ayr.
Enteric Fever ... ..	...	...	...	...	...	...	...	...
Typhus Fever ... ..	...	...	...	...	...	...	...	...
Small-pox ... ..	...	...	...	...	...	...	...	...
Measles ... ..	1	...	...	...	3	2	...	...
Scarlet Fever ... ..	...	...	...	...	1	...	...	...
Whooping-cough ... ..	10	3	2	...	...	...	2	...
Diphtheria and Croup ... ..	...	...	...	...	...	1	...	1
Influenza ... ..	...	...	...	...	...	...	...	...
Erysipelas ... ..	...	...	...	...	...	...	...	...
Phthisis, Pulmonary Tuberculosis ... ..	5	5	9	2	3	4	1	10
Tuberculous Meningitis ... ..	1	2	2	1	...	1	3	1
Abdominal Tuberculosis ... ..	...	1	1	...	...	1	...	1
Other Tuberculous Diseases ... ..	2	...	1	1	...	2	...	...
Cancer, Malignant Disease ... ..	4	2	2	3	2	5	1	5
Rheumatic Fever ... ..	1	...	...	...	...	...	1	...
Meningitis ... ..	1	1	...	...	1	1	...	...
Organic Heart Disease ... ..	7	3	7	4	2	7	4	4
Bronchitis ... ..	5	2	3	4	2	4	3	5
Pneumonia (all forms) ... ..	3	3	2	4	3	1	2	5
Other Diseases of Respiratory Organs ... ..	...	...	...	...	...	2	1	1
Diarrhœa and Enteritis (under 2 years) ... ..	1	...	1	...	3	1	...	...
Appendicitis and Typhlitis ... ..	2	1	...	...	...	...	...	1
All Liver Diseases (not Malignant) ... ..	...	2	1	...	...	...	...	1
Other Diseases of Digestive System ... ..	1	...	4	4	1	4	...	2
Nephritis and Bright's Disease ... ..	...	2	2	4	1	2	1	2
Puerperal Sepsis ... ..	...	1	...	...	...	...	...	1
Other Diseases and Accidents of Pregnancy and Parturition ... ..	1	1	...	...	...	...	...	...
Congenital Debility and Malformation, including Premature Birth ... ..	6	6	3	6	3	4	2	1
Violent Deaths, excluding Suicide ... ..	3	2	...	4	1	...	1	1
Suicide ... ..	...	...	...	...	...	1	...	...
Other Defined Diseases ... ..	12	6	15	9	7	13	5	12
Diseases Ill-defined or Unknown ... ..	...	2	...	1	1	...	1	1
All Causes ... ..	66	45	55	47	34	56	28	55
AGE AT DEATH.								
Under 1 ... ..	19	12	8	9	7	10	4	4
1-4 ... ..	9	5	3	6	7	4	3	5
5-9 ... ..	2	2	2	...	1	2	2	2
10-14 ... ..	4	1	1	1	1	2	...	2
15-24 ... ..	5	3	1	1	2	3	1	5
25-34 ... ..	...	4	3	2	3	3	1	4
35-44 ... ..	4	2	7	5	2	3	2	5
45-54 ... ..	5	3	4	4	4	5	2	3
55-64 ... ..	7	5	4	4	3	10	5	6
65-74 ... ..	6	7	9	8	2	9	6	12
75 and over ... ..	5	1	13	7	2	5	2	7
All Ages ... ..	66	45	55	47	34	56	28	55

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, LEITH, GREENOCK, and PERTH,

During the Month of MAY 1916.

OBSERVERS.	BARO-METER.		AIR TEMPERATURE.							HYGROMETER.				RAIN, AND OTHER FORMS OF PRECIPITATION.		WIND DIRECTIONS.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
			Mean of				Difference from Average			Absolute Maximum and Minimum.		Mean at 9 A.M. and 9 P.M.				Number of Days.		Total Fall.		Difference from Average.		Number of Observations at 9 A.M. and 9 P.M.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
	Maximum (A.)		Minimum (B.)		Mean of A and B (Mean Temperature).		Day of Month.		Minimum.		Day of Month.		Dry Bulb.		Depression of Wet Bulb.							Vapour Pressure.		Humidity.		N							NE		E		SE		S		SW		W		NW		Calm or Variable.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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North Latitude.-- Glasgow. 55° 51'; Edinburgh. 55° 55'; Dundee. 56° 28'; Aberdeen. 57° 9'; Paisley. 55° 51'; Leith. 55° 58'; Greenock. 55° 57'; Perth. 56° 23'; Mean. 56° 11'.  
West Longitude.-- Glasgow. 4° 13'; Edinburgh. 3° 11'; Dundee. 2° 57'; Aberdeen. 2° 7'; Paisley. 4° 27'; Leith. 3° 8'; Greenock. 4° 46'; Perth. 3° 25'; Mean. 3° 32'.

\* At King's College, at 7 A.M. and 8 P.M.  
† At 9 A.M. only.



MONTHLY RETURN  
OF THE  
BIRTHS, DEATHS, AND MARRIAGES  
IN SIXTEEN OF THE PRINCIPAL TOWNS OF  
SCOTLAND.

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JUNE 1916.

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REPORT.

During the month of June 1916 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1911 Census had populations of over 30,000, the births of 4858 living children, of whom 2495 were male, and 2363 female. The male children are 254 fewer than registered in the previous month, but 106 more than registered in June of last year. The female children are 347 fewer than in the previous month, and 63 fewer than in June of last year. The total children registered are 601 less than in the previous month, and 236 less than the mean of the numbers of the three preceding months, but are 43 more than registered in June of last year. The equivalent annual birth-rate is 25·0 per thousand of the estimated aggregate population of these towns. It is 2·2 less than that of the previous month, and 0·6 less than the mean of those of the three preceding months, but is of the same amount as that of June of last year. In the individual towns the monthly birth-rate ranged from 34·3 in Hamilton, 31·5 in Motherwell, and 30·7 in Clydebank, to 17·8 in Perth, 20·5 in Edinburgh, 21·5 in Leith, and 21·8 in Falkirk. In Greenock this rate was 29·8; in Coatbridge, 27·4; in Glasgow, 26·5; in Paisley, 24·7; in Kirkcaldy, 24·7; in Aberdeen, 23·3; in Ayr, 23·3; in Dundee, 22·8; and in Kilmarnock, 22·3.

Of the 4858 children whose births were registered, 4489, or 92·4 per cent., were legitimate, while 369, or 7·6 per cent., were illegitimate. Illegitimate births are 10 fewer than in the previous month, but are 25 more than the mean of the numbers of the three preceding months, and 38 more than in June of last year. The illegitimate rate is 0·7 more than that of the previous month, 0·9 more than the mean of those of the three preceding months, and 0·7 more than that of June of last year. In the individual towns this rate varied from 12·3 per cent. in Edinburgh, 11·0 in Dundee, 10·4 in Aberdeen, and 9·4 in Perth, to 0·9 in Clydebank, 2·7 in Hamilton, 3·2 in Greenock, and 3·9 in Coatbridge. In Falkirk this rate was 8·2; in Leith, 7·6; in Glasgow, 7·0; in Paisley, 6·5; in Ayr, 6·3; in Kirkcaldy, 6·0; in Motherwell, 5·5; and in Kilmarnock, 4·4.

Marriages in these towns numbered 1955. They are 817 more than in the previous month, and 595 more than the mean of the numbers of the three preceding months, but are 787 less than those registered in June of last year. The monthly

marriage-rate was 10·1 per thousand. It is 4·4 more than that of the previous month, and 3·2 more than the mean of those of the three preceding months, but is 4·1 less than that of June of last year.

Deaths registered in these towns numbered 2536, 1270 being of males, and 1266 of females. These deaths include those of 201 persons with usual residence outwith the town of registration, but exclude those of 189 persons who, though dying elsewhere in Scotland, had usual residence in one or other of these towns, and the difference, 12, falls to be deducted to get the corrected number, which is thus found to be 2524. The corrected monthly number of deaths is 545 less than in the previous month, 897 less than the mean of those of the three preceding months, and 729 less than that of June of last year.

The death-rate of the month, corrected, was 13·0 per thousand. It is 2·3 less than that of the previous month, 4·2 less than the mean of those of the three preceding months, and 3·9 less than that of June of last year. In these towns taken individually the monthly death-rate ranged from 15·4 in Greenock, and 14·1 in Dundee and in Perth, to 7·2 in Clydebank, and 9·2 in Kirkcaldy. In Ayr it was 13·8; in Glasgow, 13·6; in Motherwell, 12·7; in Hamilton, 12·5; in Paisley, 12·5; in Leith, 12·3; in Edinburgh, 12·2; in Coatbridge, 12·1; in Falkirk, 11·8; in Aberdeen, 11·7; and in Kilmarnock, 11·5.

Deaths of children of less than one year old numbered 370. They are 143 less in number than in the previous month, 178 less than the mean of the numbers of the three preceding months, and 212 less than that of June of last year. They are equal to an infantile mortality rate of 82 per thousand of the average number of births registered monthly in the preceding twelve months, which rate is 28 less than that of the previous month, 36 less than the mean of those of the three preceding months, and 35 less than that of June of last year. In the towns taken individually this rate ranged from 117 in Motherwell, 113 in Kilmarnock, and 112 in Hamilton, to 32 in Coatbridge, and 38 in Clydebank. In Leith, in Falkirk, and in Ayr this rate was 95; in Paisley, 87; in Glasgow, 86; in Dundee, 84; in Kirkcaldy, 77; in Perth, 75; in Greenock, 72; in Aberdeen, 67; and in Edinburgh, 66.

Deaths from the principal epidemic diseases numbered 221, and included 6 from enteric fever, 90 from measles, 24 from scarlet fever, 29 from whooping-cough, 28 from diphtheria, and 44 from the diarrhoeas of childhood. Collectively these deaths are 52 fewer than in the previous month, 88 less than the average of the numbers of the three preceding months, and 374 less than the number in June of last year. The monthly death-rate from these causes was 1·1 per thousand. It is 0·3 less than that of the previous month, 0·5 less than the mean of those of the three preceding months, and 2·0 less than that of June of last year. In the towns taken individually this death-rate varied from 1·7 in Motherwell, 1·6 in Leith, and 1·5 in Glasgow, to 0 in Perth and in Kirkcaldy, and 0·5 in Aberdeen and in Clydebank. In Paisley, in Coatbridge, and in Falkirk this rate was 1·1; in Kilmarnock, 1·0; in Dundee and in Hamilton, 0·9; in Greenock, 0·8; and in Edinburgh and in Ayr, 0·7.

Deaths from pneumonia numbered 192, and from bronchitis, 131. The former are 61 fewer than in the previous month, and 109 fewer than in June of last year. The latter are 52 fewer than in the previous month, and 23 fewer than in June of last year.

Deaths from all forms of tuberculous diseases numbered 413, of which 276 were attributed to phthisis. Compared with the returns of the previous month, deaths from tuberculosis are 41 fewer, and those from phthisis are also 41 fewer. Compared with the returns of June of last year, deaths from tuberculosis are 65 more, and those from phthisis are 38 more.



# METEOROLOGICAL NOTES for Eight of the Principal Towns, by A. WATT, M.A., F.R.S.E., Secretary to the Scottish Meteorological Society.

## JUNE 1916.

Mean barometric pressure, 29·842 in.; less than the average of 1876–1910 by 0·116 in.

Mean temperature, 52°·8; less by 2°·5.

Mean daily range of temperature, 14°·0; less 1°·4.

Rain, number of days, 16; greater by 2 days.

Rain, depth in inches, 2·70; greater by 0·38 in.

Wind, direction of: an 8 days' excess of winds from between N.W. and N.E.

Hence the month was characterised by a very low mean pressure; an abnormally low mean temperature, with a low mean daily range; a somewhat high mean rainfall; and a large excess of northerly winds.

The mean pressure of 29·842 in. was 0·116 in. below the normal, but much lower means for June have occurred, *e.g.* 29·747 in. in 1912 and 29·686 in. in 1907. At Leith, at sea-level, pressure was above 30 in. from 10th to 18th and on 20th and 21st, and the extremes there were 30·39 in. on 16th and 29·12 in. on 5th.

With frequent winds from between north-west and north-east the month was a very cold one, and speaking generally a colder June has occurred in Scotland during the last sixty years only in 1907 and 1888. The nights were for the most part not conspicuously cold; but at Braemar temperature in screen fell to 30° on 16th, with a reading as low as 25° from a thermometer exposed on the grass, and even at Glasgow ground frost occurred on one or two occasions. On the other hand, practically the only interruptions to persistently cold days occurred about 14th, 17th, or 23rd, when fairly high temperatures were reached. At Edinburgh the maximum for the month was as low as 64°, and at Aberdeen on 4th and at Edinburgh on 13th temperature remained below 50°. As regards the chief towns, the mean temperature was 52°·8, or 2°·5 below the normal,—(52°·5 in 1907 and 1888); the days were 3°·2 and the nights 1°·8 below their respective averages; and the extremes were 78° at Paisley (and 73° at Glasgow) on 17th, and 34° at Perth on 14th.

The first ten days were in most districts very wet and unsettled, with some heavy falls towards the north on 5th and 6th,—more than 1 in. at Grantown-on-Spey on each of these days; whilst from 11th to 20th or 21st a rainless spell was experienced nearly everywhere. On 22nd unsettled conditions again set in, with widespread heavy falls on 24th,—as much as 1·35 in. at Aberdeen and 1·59 in. at North Berwick. The last two or three days of the month were in general dry, but wet towards the north and north-east. Aggregates were above the normal in eastern districts, and in great excess in Aberdeenshire and around the Moray Firth; at Aberdeen the month was much the wettest June for at least 50 years; and at Gordon Castle the month's total has been equalled only in 1872. The eastern area of excess did not, however, extend far inland; western and southern districts had aggregates much below the normal; Fort William had less than half the normal; and the month's total at Turnberry on the Ayrshire coast was less than the rainfall registered at Aberdeen and North Berwick on 24th. For the chief towns the mean was 2·70 in., or 16 per cent. above the normal.

Thunderstorms occurred somewhat widely on 1st and 2nd, and here and there on 8th and 24th. On 6th freshly fallen snow covered Ben Nevis down to nearly 2000 feet.

A fair amount of sunshine was experienced in west and south. In east and north, however, in spite of a few sunny days during the third week, aggregates were much below the normal; during the last thirty-five years a cloudier June has been experienced only in 1912; and the last week of the month was exceptionally gloomy, with much fog around our northern coasts.

NOTE.—For statistical table see p. 64.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES  
in the Principal Towns, JUNE 1916.

TOWNS.	POPULATION.		BIRTHS.					MARRIAGES.	DEATHS.					
	Census. 1911.	Estimated to middle of 1916.	Males.	Females.	Total.	Legiti- mate.	Illegiti- mate.		Males.	Females.	Total.	Out.	In.	Total Corrected.
GLASGOW, . . .	1,008,487	1,091,600	1220	1149	2369	2203	166	922	620	612	1232	76	64	1220
EDINBURGH, . . .	320,769	329,200	287	265	552	484	68	366	168	169	337	50	41	328
DUNDEE, . . .	176,085	180,300	156	181	337	300	37	119	90	112	202	7	13	208
ABERDEEN, . . .	163,891	165,600	163	153	316	283	33	169	82	85	167	21	13	159
PAISLEY, . . .	84,455	90,800	91	93	184	172	12	48	46	53	99	8	2	93
LEITH, . . .	80,601	82,100	72	73	145	134	11	51	36	37	73	0	10	83
GREENOCK, . . .	75,140	77,700	110	80	190	184	6	55	58	45	103	9	4	98
PERTH, . . .	35,854	36,400	27	26	53	48	5	45	19	30	49	12	5	42
TOTAL . . . (EIGHT TOWNS)	1,945,282	2,053,700	2126	2020	4146	3808	338	1775	1119	1143	2262	183	152	2231
COATBRIDGE, . . .	43,290	45,600	55	47	102	98	4	29	26	16	42	2	5	45
MOTHERWELL . . .	40,380	42,100	47	62	109	103	6	25	18	20	38	1	7	44
KIRKCALDY . . .	39,601	40,900	47	36	83	78	5	20	16	8	24	0	7	31
HAMILTON, . . .	38,644	39,100	53	57	110	107	3	25	18	18	36	1	5	40
CLYDEBANK, . . .	37,548	45,700	55	60	115	114	1	16	9	10	19	0	8	27
KILMARNOCK, . . .	34,728	37,300	38	30	68	65	3	24	20	17	37	4	2	35
FALKIRK, . . .	33,574	34,100	35	26	61	56	5	17	17	18	35	3	1	33
AYR, . . .	32,986	33,500	39	25	64	60	4	24	27	16	43	7	2	38
TOTAL . . . (SIXTEEN TOWNS)	2,246,033	2,372,000	2495	2363	4858	4489	369	1955	1270	1266	2536	201	189	2524

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES  
in the Principal Towns, JUNE 1916.

TOWNS.	Birth- Rate per 1000 of Popu- lation.	Illegiti- mate Birth- Rate per 100 Births.	Marriage- Rate per 1000 of Popu- lation.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		Principal Epidemic Diseases.	Tuber- culosis.	Phthisis.	All Re- spiratory Diseases.	Number.	* Rate per 1000 Births.
				Uncor- rected.	Cor- rected.						
GLASGOW, . . .	26·5	7·0	10·3	13·8	13·6	1·5	2·4	1·6	2·1	193	86
EDINBURGH, . . .	20·5	12·3	13·6	12·5	12·2	0·7	1·7	1·2	1·4	32	66
DUNDEE, . . .	22·8	11·0	8·1	13·7	14·1	0·9	2·4	1·7	1·8	26	84
ABERDEEN, . . .	23·3	10·4	12·5	12·3	11·7	0·5	1·5	1·2	1·9	20	67
PAISLEY, . . .	24·7	6·5	6·4	13·3	12·5	1·1	1·9	1·1	1·5	14	87
LEITH, . . .	21·5	7·6	7·6	10·8	12·3	1·6	1·6	1·2	1·3	14	95
GREENOCK, . . .	29·8	3·2	8·6	16·2	15·4	0·8	3·3	1·9	2·5	13	72
PERTH, . . .	17·8	9·4	15·1	16·4	14·1	0·0	1·7	0·7	1·7	4	75
TOTAL . (EIGHT TOWNS)	24·6	8·2	10·5	13·4	13·3	1·2	2·2	1·5	1·9	316	81
COATBRIDGE, . . .	27·4	3·9	7·8	11·3	12·1	1·1	2·1	1·1	1·1	3	32
MOTHERWELL, . . .	31·5	5·5	7·2	11·0	12·7	1·7	1·2	0·9	1·7	12	117
KIRKCALDY, . . .	24·7	6·0	6·0	7·2	9·2	0·0	0·9	0·6	1·8	5	77
HAMILTON, . . .	34·3	2·7	7·8	11·2	12·5	0·9	1·6	0·0	2·5	10	112
CLYDEBANK, . . .	30·7	0·9	4·3	5·1	7·2	0·5	0·5	0·5	0·3	4	38
KILMARNOCK, . . .	22·3	4·4	7·9	12·1	11·5	1·0	2·6	2·3	1·0	8	113
FALKIRK, . . .	21·8	8·2	6·1	12·5	11·8	1·1	2·5	1·1	0·7	6	95
AYR, . . .	23·3	6·3	8·7	15·6	13·8	0·7	2·5	1·5	1·8	6	95
TOTAL . (SIXTEEN TOWNS)	25·0	7·6	10·1	13·0	13·0	1·1	2·1	1·4	1·8	370	82

\* Based on the average number of births registered monthly during the past 12 months.



TABLE III.—BIRTH-RATE, DEATH-RATE, ETC., FOR JUNE 1916, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM							Infantile Mortality.	Mean Temperature. (Eight Towns only.)
					Enteric Fever.	Smallpox.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria and Croup.	Diarrhoea (Under 2 Years).		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
JUNE 1916, .	25·0	7·6	10·1	13·0	6	0	90	24	29	28	44	82	52°·8
JUNE 1915, .	25·0	6·9	14·2	16·9	1	0	356	38	113	23	64	117	55°·8
JUNE 1914, .	29·8	7·5	14·1	15·2	6	0	60	24	74	22	61	109	56°·8
JUNE 1913, .	27·8	7·3	13·0	14·9	5	0	150	20	101	27	45	96	55°·7
JUNE 1912, .	25·4	7·3	12·8	14·0	3	0	128	15	54	19	57	104	4°·6
JUNE 1911, .	27·9	8·2	14·8	14·5	3	0	58	9	127	17	43	95	56°·2
JUNE 1910, .	28·9	7·2	14·1	15·4	4	0	56	20	38	20	64	101	55°·8
JUNE 1909, .	30·1	7·6	14·2	15·9	6	0	29	14	80	21	50	98	54°·0
JUNE 1908, .	32·5	6·9	15·7	15·7	6	0	38	9	60	15	—	98	56°·1
JUNE 1907, .	29·3	7·7	14·4	17·5	7	0	25	3	175	12	—	119	52°·5
JUNE 1906, .	31·5	6·9	15·3	16·3	12	0	59	7	50	23	—	103	57°·6

For all years up to and including 1911, figures are for Eight only of the Principal Towns.  
Figures in Columns 5-13 have, for 1913 and subsequent years, been corrected for non-resident deaths

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—June 1916.

CAUSES OF DEATH.	All Ages.	Age.										
		-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-
Enteric Fever - - - - -	6	-	-	-	-	-	3	2	-	1	-	-
Typhus Fever - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Small-pox - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Measles - - - - -	90	23	64	3	-	-	-	-	-	-	-	-
Scarlet Fever - - - - -	24	-	9	8	3	2	-	1	1	-	-	-
Whooping-cough - - - - -	29	9	18	2	-	-	-	-	-	-	-	-
Diphtheria and Croup - - - - -	28	7	16	4	1	-	-	-	-	-	-	-
Influenza - - - - -	4	-	-	-	-	-	1	-	-	-	1	2
Erysipelas - - - - -	1	-	-	-	-	-	-	-	-	1	-	-
Phthisis, Pulmonary Tuberculosis - - - - -	276	2	11	8	7	51	63	62	44	23	5	-
Tuberculous Meningitis - - - - -	47	5	29	11	2	-	-	-	-	-	-	-
Abdominal Tuberculosis - - - - -	42	4	15	7	5	5	3	2	1	-	-	-
Other Tuberculous Diseases - - - - -	48	4	13	7	4	10	3	3	2	1	1	-
Cancer, Malignant Disease - - - - -	189	-	-	1	-	1	4	17	41	52	55	18
Rheumatic Fever - - - - -	7	-	1	-	-	3	1	1	1	-	-	-
Meningitis - - - - -	25	7	11	3	2	-	-	1	-	1	-	-
Organic Heart Disease - - - - -	234	1	1	6	6	8	11	15	26	59	64	37
Bronchitis - - - - -	131	18	10	3	2	1	1	1	7	21	31	36
Pneumonia (all forms) - - - - -	192	28	58	7	3	9	9	13	29	19	11	6
Other Diseases of Respiratory Organs - - - - -	34	5	5	-	-	2	-	4	5	6	5	2
Diarrhoea and Enteritis (under 2 years) - - - - -	44	35	9	-	-	-	-	-	-	-	-	-
Appendicitis and Typhlitis - - - - -	11	-	-	2	4	2	2	1	-	-	-	-
All Liver Diseases (not Malignant) - - - - -	8	-	-	-	-	-	-	2	1	3	-	2
Other Diseases of Digestive System - - - - -	79	8	8	4	2	5	5	5	6	17	12	7
Nephritis and Bright's Disease - - - - -	87	-	-	2	1	2	2	12	13	22	23	10
Puerperal Sepsis - - - - -	6	-	-	-	-	-	4	2	-	-	-	-
Other Diseases & Accidents of Pregnancy & Parturition - - - - -	16	-	-	-	-	2	8	5	1	-	-	-
Congenital Debility and Malformation, including Pre-mature Birth - - - - -	161	161	-	-	-	-	-	-	-	-	-	-
Violent Deaths, excluding Suicide - - - - -	85	-	20	6	3	11	4	8	13	9	5	6
Suicide - - - - -	5	-	-	-	-	1	1	1	2	-	-	-
Other Defined Diseases - - - - -	573	48	20	9	9	24	16	41	53	76	136	140
Diseases Ill-defined or Unknown - - - - -	42	4	2	2	-	2	-	4	7	7	11	3
All Causes - - - - -	2524	370	320	95	54	141	141	203	253	318	360	269

## DEATHS IN EACH TOWN (corrected for Transfers)—June 1916.

CAUSES OF DEATH.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Leith.	Greenock.	Perth.
Enteric Fever ... ..	3	...	1	...	...	...	1	...
Typhus Fever ... ..	...	...	...	...	...	...	...	...
Small-pox ... ..	...	...	...	...	...	...	...	...
Measles ... ..	69	2	5	...	1	7	2	...
Scarlet Fever ... ..	12	4	...	2	3	...	...	...
Whooping-cough ... ..	19	...	...	2	3	...	1	...
Diphtheria and Croup ... ..	14	8	1	...	...	2	...	...
Influenza ... ..	1	2	...	1	...	...	...	...
Erysipelas ... ..	1	...	...	...	...	...	...	...
Phthisis, Pulmonary Tuberculosis ... ..	147	33	25	16	8	8	12	2
Tuberculous Meningitis ... ..	28	4	1	1	1	2	3	...
Abdominal Tuberculosis ... ..	24	3	5	1	1	1	2	2
Other Tuberculous Diseases ... ..	18	5	5	2	4	...	4	1
Cancer, Malignant Disease ... ..	91	27	19	14	5	5	6	2
Rheumatic Fever ... ..	4	1	...	...	...	...	...	...
Meningitis ... ..	13	3	2	1	2	...	...	1
Organic Heart Disease ... ..	86	42	32	18	10	6	12	4
Bronchitis ... ..	67	18	9	9	4	2	5	4
Pneumonia (all forms) ... ..	107	16	16	10	7	6	9	...
Other Diseases of Respiratory Organs ... ..	15	5	2	7	...	1	2	1
Diarrhoea and Enteritis (under 2 years) ... ..	19	4	6	3	1	2	1	...
Appendicitis and Typhlitis ... ..	3	3	...	...	...	...	...	2
All Liver Diseases (not Malignant) ... ..	6	1	...	1	...	...	...	...
Other Diseases of Digestive System ... ..	28	7	10	2	9	3	4	...
Nephritis and Bright's Disease ... ..	44	11	3	9	4	1	4	2
Puerperal Sepsis ... ..	5	...	1	...	...	...	...	...
Other Diseases and Accidents of Pregnancy and Parturition ... ..	5	3	1	...	...	1	...	1
Congenital Debility and Malformation, including Premature Birth ... ..	78	15	10	7	5	6	9	3
Violent Deaths, excluding Suicide ... ..	41	10	9	4	1	4	3	1
Suicide ... ..	...	3	...	1	...	1	...	...
Other Defined Diseases ... ..	247	96	44	44	24	24	17	15
Diseases Ill-defined or Unknown ... ..	25	2	1	4	..	1	1	1
All Causes ... ..	1220	328	208	159	93	83	98	42
AGE AT DEATH.								
Under 1 ... ..	193	32	26	20	14	14	13	4
1- 4 ... ..	197	27	16	13	9	12	13	3
5- 9 ... ..	49	7	10	4	5	4	2	1
10-14 ... ..	24	7	5	5	2	...	5	...
15-24 ... ..	76	13	5	5	4	5	4	3
25-34 ... ..	64	20	17	7	6	4	4	1
35-44 ... ..	97	27	19	12	6	6	14	4
45-54 ... ..	126	33	26	13	9	5	14	2
55-64 ... ..	141	48	27	20	15	11	11	9
65-74 ... ..	161	62	33	30	13	11	9	6
75 and over ... ..	92	52	24	30	10	11	9	9
All Ages ... ..	1220	328	208	159	93	83	98	42



DEATHS IN EACH TOWN (corrected for Transfers)—June 1916—*continued.*

CAUSES OF DEATH.					Coatbridge.	Motherwell.	Kirkcaldy.	Hamilton.	Clydebank.	Kilmarnock.	Falkirk.	Ayr.
Enteric Fever ... ..	...	...	...	...	...	...	...	...	...	...	1	...
Typhus Fever ... ..	...	...	...	...	...	...	...	...	...	...	...	...
Small-pox ... ..	...	...	...	...	...	...	...	...	...	...	...	...
Measles ... ..	...	...	...	...	1	...	...	...	2	1	...	...
Scarlet Fever ... ..	...	...	...	...	...	1	...	...	...	...	1	1
Whooping-cough ... ..	...	...	...	...	2	2	...	...	...	...	...	...
Diphtheria and Croup ... ..	...	...	...	...	...	...	...	1	...	1	1	...
Influenza ... ..	...	...	...	...	...	...	...	...	...	...	...	...
Erysipelas ... ..	...	...	...	...	...	...	...	...	...	...	...	...
Phthisis, Pulmonary Tuberculosis ... ..	...	...	...	...	4	3	2	...	2	7	3	4
Tuberculous Meningitis ... ..	...	...	...	...	2	...	...	2	...	...	2	1
Abdominal Tuberculosis ... ..	...	...	...	...	1	1	...	...	...	1	...	...
Other Tuberculous Diseases ... ..	...	...	...	...	1	...	1	3	...	...	2	2
Cancer, Malignant Disease ... ..	...	...	...	...	4	1	3	4	4	1	2	1
Rheumatic Fever ... ..	...	...	...	...	...	...	...	...	...	2	...	...
Meningitis ... ..	...	...	...	...	...	2	...	...	...	...	...	1
Organic Heart Disease ... ..	...	...	...	...	6	3	1	3	4	2	1	4
Bronchitis ... ..	...	...	...	...	1	3	5	2	...	...	...	2
Pneumonia (all forms) ... ..	...	...	...	...	3	3	1	6	1	3	1	3
Other Diseases of Respiratory Organs ... ..	...	...	...	...	...	...	...	...	...	...	1	...
Diarrhoea and Enteritis (under 2 years) ... ..	...	...	...	...	1	3	...	2	...	1	...	1
Appendicitis and Typhlitis ... ..	...	...	...	...	...	1	...	...	...	...	...	2
All Liver Diseases (not Malignant) ... ..	...	...	...	...	...	...	...	...	...	...	...	...
Other Diseases of Digestive System ... ..	...	...	...	...	4	3	4	2	...	...	2	1
Nephritis and Bright's Disease ... ..	...	...	...	...	1	3	...	1	2	1	1	...
Puerperal Sepsis ... ..	...	...	...	...	...	...	...	...	...	...	...	...
Other Diseases and Accidents of Pregnancy and Parturition ... ..	...	...	...	...	2	1	...	...	...	...	2	...
Congenital Debility and Malformation, including Premature Birth ... ..	...	...	...	...	1	6	3	6	3	3	4	2
Violent Deaths, excluding Suicide ... ..	...	...	...	...	4	...	2	1	3	1	...	1
Suicide ... ..	...	...	...	...	...	...	...	...	...	...	...	...
Other Defined Diseases ... ..	...	...	...	...	7	6	9	6	4	10	9	11
Diseases Ill-defined or Unknown ... ..	...	...	...	...	...	2	...	1	2	1	...	1
All Causes ... ..	...	...	...	...	45	44	31	40	27	35	33	38
AGE AT DEATH.												
Under 1 ... ..	...	...	...	...	3	12	5	10	4	8	6	6
1-4 ... ..	...	...	...	...	10	4	1	3	2	4	2	4
5-9 ... ..	...	...	...	...	1	3	...	2	2	2	3	...
10-14 ... ..	...	...	...	...	1	2	1	...	...	1	1	2
15-24 ... ..	...	...	...	...	7	2	1	3	2	1	2	6
25-34 ... ..	...	...	...	...	2	2	1	2	2	4	4	1
35-44 ... ..	...	...	...	...	2	1	1	2	4	2	2	4
45-54 ... ..	...	...	...	...	6	1	6	5	3	2	1	1
55-64 ... ..	...	...	...	...	6	4	3	3	5	6	5	4
65-74 ... ..	...	...	...	...	4	7	3	4	2	4	4	7
75 and over ... ..	...	...	...	...	3	6	9	6	1	1	3	3
All Ages ... ..	...	...	...	...	45	44	31	40	27	35	33	38

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, LEITH, GREENOCK, and PERTH,

During the Month of JUNE 1916.

OBSERVERS.	Height of Station above Sea-level.	BARO- METER.		AIR TEMPERATURE.								HYGROMETER.				RAIN, AND OTHER FORMS OF PRE- CIPITATION.		WIND DIRECTIONS.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
				Mean of				Difference from Average				Absolute Maximum and Minimum.						Mean at 9 A.M. and 9 P.M.				Number of Observations at 9 A.M. and 9 P.M.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
		Maximum (A).		Minimum (B).		Mean of A and B (Mean Tem- perature).		Difference from Average		Maximum		Day of Month.		Minimum.		Day of Month.		Dry Bulb.		Depression of Wet Bulb.		Vapour Pressure.		Humidity.		N	NE	E	SE	S	SW	W	NW	Calm or Variable.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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North Latitude.—Glasgow, 55° 51'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 55° 51'; Leith, 55° 48'; Greenock, 55° 57'; Perth, 56° 23'; Mean, 56° 11'.  
West Longitude.—Glasgow, 4° 13'; Edinburgh, 3° 11'; Dundee, 2° 57'; Aberdeen, 2° 7'; Paisley, 4° 27'; Leith, 3° 8'; Greenock, 4° 46'; Perth, 3° 25'; Mean, 3° 32'.

\* At King's College, at 7 A.M. and 6 P.M.  
† At 9 A.M. only.



**MONTHLY RETURN**  
**OF THE**  
**BIRTHS, DEATHS, AND MARRIAGES**  
**IN SIXTEEN OF THE PRINCIPAL TOWNS OF**  
**SCOTLAND.**

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**JULY 1916.**

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**REPORT.**

During the month of July 1916 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1911 Census had populations of over 30,000, the births of 4757 living children, of whom 2368 were male and 2389 female. The male children of the month are 127 fewer than those of the previous month, but are 15 more than those of July of last year. The female children of the month are 26 more than those of the previous month, and 156 more than those of July of last year. The total children of the month are 101 fewer than those of the previous month, and 279 less than the mean of the numbers of the three preceding months, but are 171 more than those of July of last year. The equivalent annual birth-rate is 23·7 per thousand of the aggregate estimated population of these towns. It is 1·3 less than that of the previous month, and 1·9 less than the mean of those of the three preceding months, but is 0·7 more than that of July of last year. In the individual towns the monthly birth-rate varied from 30·5 in Clydebank, 30·3 in Coatbridge, 28·9 in Greenock, and 27·2 in Motherwell, to 17·8 in Edinburgh, 18·8 in Perth, and 19·0 in Kirkcaldy. In Glasgow this rate was 25·4; in Hamilton, 25·4; in Kilmarnock, 25·0; in Falkirk, 24·3; in Ayr, 23·9; in Leith, 23·0; in Aberdeen, 22·7; in Dundee, 21·5; and in Paisley, 21·2.

Of the 4757 children whose births were registered during the month, 4418, or 92·9 per cent., were legitimate, while 339, or 7·1 per cent., were illegitimate. Illegitimate births are 30 less than in the previous month, and 12 less than the mean of the numbers of the three preceding months, but are 53 more than in July of last year. The illegitimate rate is 0·5 less than that of the previous month, but is 0·1 more than the mean of those of the three preceding months, and 0·9 more than that of July of last year. In the individual towns this rate varied from 13·2 in Ayr, 12·9 in Edinburgh, and 11·0 in Aberdeen, to 1·4 in Falkirk, 1·7 in Clydebank, and 2·5 in Kilmarnock. In Hamilton this rate was 9·5; in Perth, 8·6; in Glasgow, 7·0; in Coatbridge, 6·8; in Paisley, 5·5; in Motherwell, 5·2; in Leith, 3·8; in Greenock, 3·7; in Dundee, 3·4; and in Kirkcaldy, 3·0.

Marriages registered in the towns during the month numbered 1946. They are 9 fewer than in the previous month, and 780 fewer than in July of last year, but are 399 more than the mean of the numbers of the three preceding months. The monthly marriage-rate was 9·7 per thousand. It is 0·4 less than that of June, and 4·0 less than that of July of last year, but is 1·8 more than the mean of those of April, May and June of this year.

Deaths registered in these towns during the month numbered 2446, 1208 being of males, and 1238 of females. These deaths include those of 228 persons with usual residence outwith the town of registration, but exclude those of 168 persons who, though dying elsewhere in Scotland, had usual residence in one or other of these towns, and the difference, 60, falls to be deducted to get the corrected number, which is thus found to be 2386. The corrected monthly number of deaths is 138 less than that of the previous month, 590 less than the mean of those of the three preceding months, and 422 less than that of July of last year.

The death-rate of the month, corrected, was 11·9 per thousand. It is 1·1 less than that of the previous month, 3·2 less than the mean of those of the three preceding months, and 2·2 less than that of July of last year. In these towns taken individually the monthly death-rate varied from 13·5 in Greenock, 13·4 in Paisley, 13·2 in Falkirk, and 13·0 in Kilmarnock, to 8·0 in Clydebank, 9·5 in Ayr, and 10·1 in Perth and in Motherwell. In Edinburgh this rate was 12·4; in Glasgow, 12·2; in Leith, 12·2; in Aberdeen, 11·3; in Hamilton, 10·9; in Dundee, 10·7; in Coatbridge, 10·4; and in Kirkcaldy, 10·4.

Deaths of children of less than one year old numbered 336. They are 34 less than in the previous month, 132 less than the mean of the numbers of the three preceding months, and 174 less than in July of last year. They are equal to an infantile mortality rate of 72 per thousand of the average number of births registered monthly during the preceding twelve months. This rate is 10 less than that of the previous month, 31 less than the mean of those of the three preceding months, and 28 less than that of July of last year. In the towns taken individually this rate varied from 141 in Ayr, 98 in Hamilton, and 91 in Greenock, to 32 in Leith, 42 in Paisley, and 46 in Clydebank. In Kirkcaldy this rate was 87; in Kilmarnock, 81; in Falkirk, 77; in Motherwell, 75; in Glasgow, 73; in Perth, 73; in Edinburgh, 72; in Aberdeen, 71; in Coatbridge, 71; and in Dundee, 65.

Deaths from the principal epidemic diseases numbered 189, and included 6 from enteric fever, 66 from measles, 26 from scarlet fever, 25 from whooping-cough, 20 from diphtheria, and 46 from the diarrhoeas of childhood. Collectively these deaths are 32 less than in the previous month, 75 less than the mean of the numbers of the three preceding months, and 264 less than in July of last year. The monthly death-rate from these causes was 0·9 per thousand. It is 0·2 less than that of the previous month, 0·4 less than the mean of those of the three preceding months, and 1·4 less than that of July of last year. In the towns taken individually this death-rate ranged from 2·3 in Coatbridge, 2·2 in Leith, 1·5 in Greenock, and 1·4 in Ayr, to 0 in Perth, 0·3 in Kirkcaldy and in Hamilton, and 0·4 in Aberdeen. In Glasgow this rate was 1·1; in Motherwell, 1·1; in Paisley, 1·0; in Falkirk, 1·0; in Kilmarnock, 0·6; in Edinburgh, 0·5; in Dundee, 0·5; and in Clydebank, 0·5.

Deaths from pneumonia numbered 128, and from bronchitis, 93. The former are 64 fewer than in the previous month, and 44 fewer than in July of last year.

Deaths from all forms of tuberculous diseases numbered 321, of which 207 were attributed to phthisis. Compared with the returns of the previous month, deaths from all forms of tuberculous disease are 92 fewer, and those from phthisis are 69 fewer. Compared with the returns of July of last year, deaths from all forms of tuberculous diseases are 15 fewer, and those from phthisis are also 15 fewer.



# METEOROLOGICAL NOTES for Eight of the Principal Towns, by A. WATT, M.A., F.R.S.E., Secretary to the Scottish Meteorological Society.

JULY 1916.

Mean barometric pressure, 29·957 in.; greater than the average of 1876–1910 by 0·069 in.

Mean temperature, 58°·0; greater by 0°·1.

Mean daily range of temperature, 13°·2; less by 1°·2.

Rain, number of days, 17; greater by 1 day.

Rain, depth in inches, 5·05; greater by 1·98 in.

Wind, direction of: a 3 days' excess of winds from between N.W. and N.E.

Hence the month was characterised by a rather high mean pressure; a mean temperature practically equal to the normal, with a low mean daily range; a high mean rainfall; and an excess of northerly winds.

The mean pressure was 29·957 in., or 0·069 in. above the normal. The lowest values of the month occurred on 8th during the passage of a shallow depression which crossed our islands in an E.S.E. direction from off the south of Ireland to the North Sea. At Leith, at sea-level, pressure was above 30 in. on 15th and from 17th to 31st, and the extremes were 30·28 in. on 21st and 29·49 in. on 8th.

The cold weather for which June had been notable continued almost unbroken until about 18th July, with frequent winds from east and north and some extremely low day temperatures for the time of year. During the last ten days, on the other hand, some very warm weather was experienced, and in various districts the mean temperature for the fourth week was fully 5° above the normal and 8° or 9° above the mean for the first week. Lowest readings occurred on 1st (35° at Balmoral), on 6th (33° at West Linton), or on night of 17th, when the thermometer exposed on the grass fell to freezing point at Crathes; between 23rd and 27th various readings of 80° or over were reported; and at one or two places the thermometer did not fall below 60° on night of 29th. As regards the chief towns, the mean temperature was 58°·0, or 0°·1 above the normal; the days were 0°·5 below and the nights 0°·7 above their respective averages; and the extremes were 84° at Paisley on 23rd and 42° at Perth on 13th and 18th.

After moderate to heavy falls in many districts during the first few days, rains of abnormal intensity were widely experienced on 7th, and these rains fell through a light east wind on the north side of the track of the depression noted above. Within twenty-four hours nearly all central and eastern districts received at least 1 in.; wide areas more than 2 in.; and parts of Forfar, Perth, Fife and Midlothian fully 3 in.,—as much as 3·30 in. at Dundee, Perth, Kirkcaldy and Leith. In west, south, and on the fringe of the north-eastern counties amounts were more moderate, and in the extreme north little or no rain fell. The rainstorm did not exhaust itself until the following day, and on 8th Perth had as much as 1·90 in. Conditions remained somewhat unsettled for a few days, but in some districts there were no falls of importance after 11th; in many practically no rain after 16th; and in general fine weather during the last two weeks was interrupted only by very local thunderstorms. On 22nd Ballintuim, near Blairgowrie, had as much as 2 in., and on 24th Fortrose 1·34 in. Aggregates were below the normal in some western districts and in the extreme north and north-west; but in general there was an excess, and Dundee and Leith had fully twice, and Perth thrice the normal. On 7th the wettest areas had more rain than fell in the driest areas during the whole month. Of the month's total of 9·44 in. at Perth fully 8½ in. was accounted for on six days, and during the last fifty years the only month with a larger aggregate has been December 1876 (10·94 in.). For the chief towns the mean was 5·05 in., or 64 per cent. above the normal.

Serious flooding occurred in many districts on 7th and 8th.

Thunderstorms of considerable intensity, but somewhat local in character, occurred in various districts, but chiefly in west and north, between 21st and 27th.

The first three weeks were for the most part very cloudy, and in spite of bright weather during the last ten days sunshine aggregates were much below the normal.

NOTE.—For statistical table see p. 72.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES  
in the Principal Towns, JULY 1916.

TOWNS.	POPULATION.		BIRTHS.					MARRIAGES.	DEATHS.					
	Census. 1911.	Estimated to middle of 1916.	Males.	Females.	Total.	Legiti- mate.	Illegiti- mate.		Males.	Females.	Total.	Out.	In.	Total Corrected.
GLASGOW, . . .	1,008,487	1,091,600	1146	1199	2345	2180	165	955	600	565	1165	97	59	1127
EDINBURGH, . .	320,769	329,200	236	259	495	431	64	313	158	212	370	61	36	345
DUNDEE, . . .	176,085	180,300	171	157	328	317	11	141	84	82	166	8	5	163
ABERDEEN, . .	163,891	165,600	178	141	319	284	35	127	86	91	177	24	5	158
PAISLEY, . . .	84,455	90,800	84	79	163	154	9	62	50	53	103	2	2	103
LEITH, . . . .	80,601	82,100	87	73	160	154	6	55	36	37	73	2	14	85
GREENOCK, . .	75,140	77,700	97	93	190	183	7	65	50	41	91	6	4	89
PERTH, . . . .	35,854	36,400	27	31	58	53	5	23	14	20	34	6	3	31
TOTAL . . . . (EIGHT TOWNS)	1,945,282	2,053,700	2026	2032	4058	3756	302	1751	1078	1101	2179	206	128	2101
COATBRIDGE, . .	43,290	45,600	53	64	117	109	8	37	17	19	36	1	5	40
MOTHERWELL . .	40,380	42,100	51	46	97	92	5	23	15	20	35	0	1	36
KIRKCALDY, . .	39,601	40,900	36	30	66	64	2	17	13	20	33	0	3	36
HAMILTON, . . .	38,644	39,100	47	37	84	76	8	18	19	10	29	5	12	36
CLYDEBANK, . .	37,548	45,700	52	66	118	116	2	30	13	9	22	0	9	31
KILMARNOCK, . .	34,728	37,300	33	46	79	77	2	29	23	22	45	8	4	41
FALKIRK, . . .	33,574	34,100	38	32	70	69	1	23	15	20	35	1	4	38
AYR, . . . . .	32,986	33,500	32	36	68	59	9	13	15	17	32	7	2	27
TOTAL . . . . (SIXTEEN TOWNS)	2,246,033	2,372,000	2368	2389	4757	4418	339	1946	1208	1238	2446	228	168	2386

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES  
in the Principal Towns, JULY 1916.

TOWNS.	Birth- Rate per 1000 of Popu- lation.	Illegiti- mate Birth- Rate per 100 Births.	Marriage- Rate per 1000 of Popu- lation.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		Principal Epidemic Diseases.	Tuber- culosis.	Phthisis.	All Re- spiratory Diseases.	Number.	* Rate per 1000 Births.
				Uncor- rected.	Cor- rected.						
GLASGOW, . . .	25·4	7·0	10·3	12·6	12·2	1·1	1·8	1·1	1·4	169	73
EDINBURGH, . .	17·8	12·9	11·2	13·3	12·4	0·5	1·5	1·1	1·4	36	72
DUNDEE, . . .	21·5	3·4	9·2	10·9	10·7	0·5	1·2	0·8	0·8	21	65
ABERDEEN, . .	22·7	11·0	9·1	12·6	11·3	0·4	1·2	0·6	0·8	22	71
PAISLEY, . . .	21·2	5·5	8·1	13·4	13·4	1·0	1·4	0·9	1·2	7	42
LEITH, . . . .	23·0	3·8	7·9	10·5	12·2	2·2	1·6	0·9	1·9	5	32
GREENOCK, . .	28·9	3·7	9·9	13·8	13·5	1·5	2·1	1·8	1·2	17	91
PERTH, . . . .	18·8	8·6	10·7	11·0	10·1	0·0	1·0	1·0	0·6	4	73
TOTAL . . . . (EIGHT TOWNS)	23·3	7·4	10·1	12·5	12·1	0·9	1·6	1·1	1·3	281	70
COATBRIDGE, . .	30·3	6·8	9·6	9·3	10·4	2·3	2·1	0·8	0·8	7	71
MOTHERWELL, . .	27·2	5·2	7·8	9·8	10·1	1·1	2·5	1·1	1·7	8	75
KIRKCALDY, . .	19·0	3·0	4·9	9·5	10·4	0·3	0·9	0·6	0·3	6	87
HAMILTON, . . .	25·4	9·5	5·4	8·8	10·9	0·3	1·8	0·9	0·3	9	98
CLYDEBANK, . .	30·5	1·7	7·8	5·7	8·0	0·5	0·8	0·5	1·0	5	46
KILMARNOCK, . .	25·0	2·5	9·2	14·3	13·0	0·6	1·0	0·6	1·3	6	81
FALKIRK, . . .	24·3	1·4	8·0	12·1	13·2	1·0	1·7	1·4	0·3	5	77
AYR, . . . . .	23·9	13·2	4·6	11·3	9·5	1·4	1·1	0·7	1·1	9	141
TOTAL . . . . (SIXTEEN TOWNS)	23·7	7·1	9·7	12·2	11·9	0·9	1·6	1·0	1·2	336	72

\* Based on the average number of births registered monthly during the past 12 months.



TABLE III.—BIRTH-RATE, DEATH-RATE, ETC., FOR JULY 1916, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM							Infantile Mortality.	Mean Temperature. (Eight Towns only.)
					Enteric Fever.	Smallpox.	Measles.	Scarlet Fever.	Whooping- Cough.	Diphtheria and Croup.	Diarrhoea (Under 2 Years).		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
JULY 1916, .	23·7	7·1	9·7	12·2	6	0	66	26	25	20	46	72	58°·0
JULY 1915, .	23·0	6·2	13·7	14·1	4	0	220	46	62	34	78	100	57°·3
JULY 1914, .	27·5	6·2	12·7	13·2	9	0	41	21	49	15	86	91	58°·9
JULY 1913, .	26·7	6·8	13·5	13·8	3	0	109	19	62	18	81	86	58°·3
JULY 1912, .	28·0	7·4	14·2	14·2	6	0	54	14	62	24	111	105	58°·1
JULY 1911, .	25·1	8·4	13·2	14·5	6	2	43	17	73	26	91	107	60°·6
JULY 1910, .	25·7	7·6	12·2	13·0	11	0	23	19	30	28	56	88	56°·7
JULY 1909, .	27·1	7·8	12·1	13·7	6	0	31	14	57	14	44	87	57°·0
JULY 1908, .	29·6	7·3	13·0	14·6	4	0	14	7	86	10	—	102	58°·6
JULY 1907, .	30·1	7·0	16·1	15·5	11	0	28	8	103	14	—	101	56°·5
JULY 1906, .	28·6	7·6	15·1	15·0	9	0	42	6	53	17	—	94	57°·4

For all years up to and including 1911, figures are for Eight only of the Principal Towns.  
Figures in Columns 5-13 have, for 1913 and subsequent years, been corrected for non-resident deaths

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—July 1916.

CAUSES OF DEATH.	All Ages.	Age.											
		-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	
Enteric Fever - - - - -	6	-	1	-	-	3	1	-	1	-	-	-	
Typhus Fever - - - - -	3	-	-	-	-	-	-	2	1	-	-	-	
Small-pox - - - - -	-	-	-	-	-	-	-	-	-	-	-	-	
Measles - - - - -	66	10	54	1	-	-	1	-	-	-	-	-	
Scarlet Fever - - - - -	26	-	20	5	-	1	-	-	-	-	-	-	
Whooping-cough - - - - -	25	4	21	-	-	-	-	-	-	-	-	-	
Diphtheria and Croup - - - - -	20	1	11	6	-	2	-	-	-	-	-	-	
Influenza - - - - -	2	-	-	-	-	-	-	-	-	-	-	2	
Erysipelas - - - - -	4	-	-	-	-	1	-	-	1	1	1	-	
Phthisis, Pulmonary Tuberculosis - - - - -	207	2	6	5	12	46	37	47	30	16	5	1	
Tuberculous Meningitis - - - - -	55	7	28	9	8	2	-	-	1	-	-	-	
Abdominal Tuberculosis - - - - -	32	2	15	5	4	3	-	1	1	-	1	-	
Other Tuberculous Diseases - - - - -	27	2	3	-	2	11	3	3	1	1	1	-	
Cancer, Malignant Disease - - - - -	207	-	-	-	-	1	3	11	48	63	52	29	
Rheumatic Fever - - - - -	7	-	-	1	-	3	1	-	-	1	1	-	
Meningitis - - - - -	40	8	16	7	-	3	1	3	1	1	-	-	
Organic Heart Disease - - - - -	223	4	2	3	3	12	13	11	32	45	52	46	
Bronchitis - - - - -	93	8	4	1	-	-	1	8	5	22	23	21	
Pneumonia (all forms) - - - - -	128	25	37	3	3	3	8	9	14	15	8	-	
Other Diseases of Respiratory Organs - - - - -	29	3	6	1	-	1	2	-	2	5	7	2	
Diarrhoea and Enteritis (under 2 years) - - - - -	46	41	5	-	-	-	-	-	-	-	-	-	
Appendicitis and Typhlitis - - - - -	18	-	3	3	1	1	3	3	1	1	2	-	
All Liver Diseases (not Malignant) - - - - -	19	-	-	-	-	-	2	3	4	5	4	1	
Other Diseases of Digestive System - - - - -	90	9	8	3	1	8	9	8	7	14	14	9	
Nephritis and Bright's Disease - - - - -	92	1	-	1	-	1	6	14	19	24	21	5	
Puerperal Sepsis - - - - -	9	-	-	-	-	2	5	2	-	-	-	-	
Other Diseases & Accidents of Pregnancy & Parturition - - - - -	26	-	-	-	-	7	7	12	-	-	-	-	
Congenital Debility and Malformation, including Pre-mature Birth - - - - -	153	151	2	-	-	-	-	-	-	-	-	-	
Violent Deaths, excluding Suicide - - - - -	93	6	13	11	6	10	10	4	12	7	8	6	
Suicide - - - - -	15	-	-	-	-	3	1	3	1	3	3	1	
Other Defined Diseases - - - - -	568	51	16	6	2	13	29	28	45	93	143	142	
Diseases Ill-defined or Unknown - - - - -	57	1	1	-	-	-	3	7	11	17	10	7	
All Causes - - - - -	2386	336	272	71	42	137	141	178	233	333	363	280	

## DEATHS IN EACH TOWN (corrected for Transfers)—July 1916.

CAUSES OF DEATH.					Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Leith.	Greenock.	Perth.
Enteric Fever ... ..					3	...	1	...	...	...	1	...
Typhus Fever ... ..					3	...	...	...	...	...	...	...
Small-pox ... ..					...	...	...	...	...	...	...	...
Measles ... ..					38	4	4	...	...	12	5	...
Scarlet Fever ... ..					14	1	...	...	4	...	1	...
Whooping-cough ... ..					16	...	...	2	1	...	1	...
Diphtheria and Croup ... ..					5	6	1	1	2	2	...	...
Influenza ... ..					...	1	...	...	...	...	...	...
Erysipelas ... ..					4	...	...	...	...	...	...	...
Phthisis, Pulmonary Tuberculosis ...					105	32	12	8	7	6	12	3
Tuberculous Meningitis ... ..					35	4	3	5	...	2	...	...
Abdominal Tuberculosis ... ..					12	3	1	4	1	2	2	...
Other Tuberculous Diseases ... ..					12	3	3	...	3	1	...	...
Cancer, Malignant Disease ... ..					85	35	22	16	8	9	7	6
Rheumatic Fever ... ..					3	...	...	3	...	...	1	...
Meningitis ... ..					18	4	5	1	6	...	2	...
Organic Heart Disease ... ..					87	41	17	24	13	6	9	3
Bronchitis ... ..					48	12	7	6	4	6	1	1
Pneumonia (all forms) ... ..					70	18	4	5	5	7	7	1
Other Diseases of Respiratory Organs ...					15	9	1	...	...	...	...	...
Diarrhoea and Enteritis (under 2 years) ...					25	4	2	3	1	1	2	...
Appendicitis and Typhlitis ... ..					6	3	2	...	1	...	2	...
All Liver Diseases (not Malignant) ...					8	2	1	1	...	...	1	1
Other Diseases of Digestive System ...					39	11	2	7	10	3	3	2
Nephritis and Bright's Disease ... ..					49	17	7	6	...	1	2	...
Puerperal Sepsis ... ..					8	...	1	...	...	...	...	...
Other Diseases and Accidents of Pregnancy and Parturition ... ..					14	2	1	...	2	...	2	...
Congenital Debility and Malformation, including Premature Birth ...					70	17	12	9	3	3	6	2
Violent Deaths, excluding Suicide ...					49	10	5	5	5	4	1	...
Suicide ... ..					5	4	2	...	...	2	...	...
Other Defined Diseases ... ..					245	100	44	49	26	17	21	11
Diseases Ill-defined or Unknown ...					36	2	3	3	1	1	...	1
All Causes ... ..					1127	345	163	158	103	85	89	31
AGE AT DEATH.												
Under 1 ... ..					169	36	21	22	7	5	17	4
1-4 ... ..					143	19	12	13	16	21	12	...
5-9 ... ..					35	9	6	4	2	2	2	...
10-14 ... ..					27	2	...	...	6	1	...	...
15-24 ... ..					68	16	8	10	6	6	4	1
25-34 ... ..					65	17	8	9	11	5	6	2
35-44 ... ..					88	33	13	7	8	1	3	3
45-54 ... ..					119	31	16	13	8	9	11	2
55-64 ... ..					147	54	26	26	18	7	12	8
65-74 ... ..					170	64	23	26	15	16	12	7
75 and over ... ..					96	64	30	28	6	12	10	4
All Ages ... ..					1127	345	163	158	103	85	89	31



## DEATHS IN EACH TOWN (corrected for Transfers)—July 1916—continued.

CAUSES OF DEATH.					Coatbridge.	Motherwell.	Kirkcaldy.	Hamilton.	Clydebank.	Kilmarnock.	Falkirk.	Ayr.
Enteric Fever ... ..	...	...	...	...	...	...	...	...	1	...	...	...
Typhus Fever ... ..	...	...	...	...	...	...	...	...	...	...	...	...
Small-pox ... ..	...	...	...	...	...	...	...	...	...	...	...	...
Measles ... ..	...	...	...	...	2	1	...	...	...	...	...	...
Scarlet Fever ... ..	...	...	...	...	...	3	...	...	...	1	1	1
Whooping-cough ... ..	...	...	...	...	5	...	...	...	...	...	...	...
Diphtheria and Croup ... ..	...	...	...	...	...	...	1	...	...	1	...	1
Influenza ... ..	...	...	...	...	...	...	1	...	...	...	...	...
Erysipelas ... ..	...	...	...	...	...	...	...	...	...	...	...	...
Phthisis, Pulmonary Tuberculosis ... ..	...	...	...	...	3	4	2	3	2	2	4	2
Tuberculous Meningitis ... ..	...	...	...	...	1	1	...	1	1	1	1	...
Abdominal Tuberculosis ... ..	...	...	...	...	1	3	1	1	...	...	...	1
Other Tuberculous Diseases ... ..	...	...	...	...	3	1	...	1	...	...	...	...
Cancer, Malignant Disease ... ..	...	...	...	...	2	1	3	1	3	5	1	3
Rheumatic Fever ... ..	...	...	...	...	...	...	...	...	...	...	...	...
Meningitis ... ..	...	...	...	...	1	1	...	...	...	...	1	1
Organic Heart Disease ... ..	...	...	...	...	2	1	6	3	1	5	4	1
Bronchitis ... ..	...	...	...	...	1	4	1	...	1	1	...	...
Pneumonia (all forms) ... ..	...	...	...	...	2	2	...	...	2	1	1	3
Other Diseases of Respiratory Organs ... ..	...	...	...	...	...	...	...	1	1	2	...	...
Diarrhoea and Enteritis (under 2 years) ... ..	...	...	...	...	2	...	...	1	1	...	2	2
Appendicitis and Typhlitis ... ..	...	...	...	...	...	...	...	1	1	1	...	1
All Liver Diseases (not Malignant) ... ..	...	...	...	...	1	...	...	...	...	1	3	...
Other Diseases of Digestive System ... ..	...	...	...	...	1	4	...	4	1	2	1	...
Nephritis and Bright's Disease ... ..	...	...	...	...	...	1	2	1	3	1	2	...
Puerperal Sepsis ... ..	...	...	...	...	...	...	...	...	...	...	...	...
Other Diseases and Accidents of Pregnancy and Parturition ... ..	...	...	...	...	...	1	...	...	2	1	1	...
Congenital Debility and Malformation, including Premature Birth ... ..	...	...	...	...	3	1	6	5	4	4	4	4
Violent Deaths, excluding Suicide ... ..	...	...	...	...	1	...	...	7	2	2	2	...
Suicide ... ..	...	...	...	...	1	...	...	...	...	...	1	...
Other Defined Diseases ... ..	...	...	...	...	7	5	11	5	5	10	8	4
Diseases Ill-defined or Unknown ... ..	...	...	...	...	1	2	2	1	...	...	1	3
All Causes ... ..					40	36	36	36	31	41	38	27
AGE AT DEATH.												
Under 1 ... ..	...	...	...	...	7	8	6	9	5	6	5	9
1- 4 ... ..	...	...	...	...	9	10	2	3	1	4	4	3
5- 9 ... ..	...	...	...	...	2	...	2	2	1	2	2	...
10-14 ... ..	...	...	...	...	1	3	...	1	1	...	...	...
15-24 ... ..	...	...	...	...	4	2	2	2	2	1	2	3
25-34 ... ..	...	...	...	...	2	...	3	5	2	2	4	...
35-44 ... ..	...	...	...	...	3	1	2	2	3	2	6	3
45-54 ... ..	...	...	...	...	2	1	4	2	4	5	3	3
55-64 ... ..	...	...	...	...	6	5	2	2	8	5	5	2
65-74 ... ..	...	...	...	...	2	4	7	5	1	6	3	2
75 and over ... ..	...	...	...	...	2	2	6	3	3	8	4	2
All Ages ... ..					40	36	36	36	31	41	38	27

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, LEITH, GREENOCK, and PERTH,

During the Month of JULY 1916.

OBSERVERS.	BARO-METER.		AIR TEMPERATURE.							HYGROMETER.				RAIN, AND OTHER FORMS OF PRECIPITATION.		WIND DIRECTIONS.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
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	Mean at Station and 32°.		Mean at Sea-Level and 32°.		Mean of		Difference from Average		Absolute Maximum and Minimum.		Mean at 9 A.M. and 9 P.M.		Depression of Wet Bulb.		Vapour Pressure.		Humidity.		Total Fall.		Difference from Average.		N																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
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North Latitude.—Glasgow, 55° 51'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 55° 51'; Leith, 55° 58'; Greenock, 55° 57'; Perth, 56° 23'; Mean, 56° 11'.  
West Longitude.—Glasgow, 4° 18'; Edinburgh, 3° 11'; Dundee, 2° 57'; Aberdeen, 2° 7'; Paisley, 4° 27'; Leith, 3° 8'; Greenock, 4° 46'; Perth, 3° 25'; Mean, 3° 32'.

\* At King's College, at 7 A.M. and 6 P.M.  
† At 9 A.M. only.



MONTHLY RETURN  
OF THE  
BIRTHS, DEATHS, AND MARRIAGES  
IN SIXTEEN OF THE PRINCIPAL TOWNS OF  
SCOTLAND.

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AUGUST 1916.

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REPORT.

During the month of August 1916 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1911 Census had populations of over 30,000, the births of 4621 living children, of whom 2452 were male and 2169 female. The male children of the month are 84 more than in the previous month, and 222 more than in August of last year. The female children are 220 fewer than in the previous month, and 9 fewer than in August of last year. The total children of the month are 136 fewer than in the previous month, and 404 less than the mean of the numbers for the three preceding months, but are 213 more than in August of last year. The equivalent annual birth-rate is 23·0 per thousand of the estimated aggregate population of these towns. It is 0·7 less than that for the previous month, 2·3 less than the mean of the rates for the three preceding months, but 0·9 above that for August of last year. In the individual towns the monthly birth-rate ranged from 31·6 in Greenock, 28·3 in Motherwell, and 26·4 in Coatbridge, to 15·3 in Perth, 16·6 in Falkirk, and 17·6 in Kirkcaldy. In Clydebank it was 25·9; in Glasgow, 24·8; in Hamilton, 23·9; in Paisley, 22·7; in Aberdeen and in Kilmarnock, 22·5; in Leith, 21·4; in Dundee, 19·3; in Edinburgh, 18·9; and in Ayr, 18·7.

Of the 4621 children whose births were registered during the month, 4259, or 92·2 per cent., were legitimate, and 362, or 7·8 per cent., were illegitimate. Illegitimate births are 23 more than in the previous month, the same as the mean of the numbers for the three preceding months, and 63 more than in August of last year. The illegitimate rate is 0·7 above that for the previous month, 0·6 above the mean of the rates for the three preceding months, and 1·0 above that for August of last year. In the individual towns this rate ranged from 13·5 in Edinburgh, 11·7 in Aberdeen, and 10·6 in Perth, to 2·0 in Motherwell, 2·1 in Falkirk, and 2·9 in Coatbridge. In Dundee it was 10·5; in Kirkcaldy, 8·2; in Ayr, 7·5; in Kilmarnock, 7·0; in Glasgow and in Paisley, 6·9; in Leith, 6·7; in Hamilton, 6·3; in Clydebank, 5·0; and in Greenock, 3·4.

Marriages registered in these towns during the month numbered 1574. They are 372 fewer than in the previous month, 106 fewer than the mean of the

numbers for the three preceding months, and 277 fewer than in August of last year. The monthly marriage-rate was 7·8 per thousand. It is 1·9 below that for the previous month, 0·7 below the mean of the rates for the three preceding months and 1·5 below that for August of last year.

Deaths registered in these towns during the month numbered 2480, 1277 being of males, and 1203 of females. These deaths include those of 229 persons with usual residence outwith the town of registration, but exclude those of 205 persons who, though dying elsewhere in Scotland, had usual residence in one or other of these towns, and the difference, 24, falls to be deducted to get the corrected number, which is thus found to be 2456. The corrected number of deaths is 70 more than that for the previous month, but is 204 less than the mean of the numbers for the three preceding months, and 130 less than that for August of last year.

The death-rate for the month, corrected, was 12·2 per thousand. It is 0·3 above that for the previous month, but is 1·2 below the mean of the rates for the three preceding months, and 0·8 below that for August of last year. In these towns taken individually the monthly death-rate ranged from 14·4 in Greenock, 13·6 in Kirkcaldy, and 13·0 in Ayr, to 8·7 in Falkirk, 9·5 in Kilmarnock, and 10·1 in Motherwell. In Glasgow this rate was 12·7; in Dundee, 12·6; in Leith, 12·4; in Perth, 12·3; in Edinburgh, 12·1; in Paisley and in Coatbridge, 11·4; in Hamilton, 11·2; in Clydebank, 11·1; and in Aberdeen, 10·8.

Deaths of children of less than one year old numbered 446. They are 110 more than in the previous month, and 40 more than the mean of the numbers for the three preceding months, but are 26 fewer than in August of last year. They are equal to an infantile mortality rate of 95 per thousand of the average number of births registered monthly during the preceding twelve months. This rate is 23 more than in the previous month, 7 more than the mean of the rates for the three preceding months, and 1 more than that for August of last year. In the towns taken individually this rate ranged from 132 in Hamilton, 111 in Glasgow, and 103 in Clydebank, to 44 in Kirkcaldy, 47 in Ayr, and 63 in Edinburgh. In Coatbridge it was 101; in Leith, 96; in Paisley and in Perth, 91; in Greenock, 85; in Aberdeen, 83; in Falkirk, 78; in Motherwell, 75; in Dundee, 69; and in Kilmarnock, 68.

Deaths from the principal epidemic diseases numbered 253, and included 5 from enteric fever, 29 from measles, 19 from scarlet fever, 25 from whooping-cough, 17 from diphtheria, and 158 from the diarrhoeas of childhood. Collectively these deaths are 64 more than in the previous month, and 25 more than the mean of the numbers for the three preceding months, but they are 106 fewer than in August of last year. The monthly death-rate from these causes was 1·3 per thousand. It is 0·4 more than in the previous month, 0·2 more than the mean of the rates for the three preceding months, but is 0·5 below that for August of last year. In the towns taken individually this death-rate ranged from 3·1 in Clydebank, 2·2 in Leith, and 1·7 in Motherwell, to 0 in Ayr, and 0·3 in Perth and in Kilmarnock. In Glasgow this rate was 1·6; in Greenock, 1·5; in Paisley, 1·4; in Hamilton, 1·2; in Dundee and in Aberdeen, 0·8; in Falkirk, 0·7; in Kirkcaldy 0·6; and in Edinburgh and in Coatbridge, 0·5.

Deaths from pneumonia numbered 158, and from bronchitis, 92. The former are 30 more than in the previous month, but are 1 fewer than in August of last year.

Deaths from all forms of tuberculous disease numbered 292, of which 179 were attributed to phthisis. Compared with the returns for the previous month, deaths from tuberculosis are 29 fewer, and those from phthisis are 28 fewer. Compared with the returns for August of last year, deaths from tuberculosis are 3 fewer, while those from phthisis are 21 fewer.



# METEOROLOGICAL NOTES for Eight of the Principal Towns, by A. WATT, M.A., F.R.S.E., Secretary to the Scottish Meteorological Society.

## AUGUST 1916.

Mean barometric pressure, 29·860 in.; greater than the average of 1876–1910 by 0·011 in.

Mean temperature, 58°·9; greater by 1°·6.

Mean daily range of temperature, 14°·2; greater by 0°·2.

Rain, number of days, 13; less by 4 days.

Rain, depth in inches, 3·80; greater by 0·10 in.

Wind, direction of: a 4 days' excess of winds from between N.E. and S.E.

Hence the month was characterised by a slightly high mean pressure; a high mean temperature, with a mean daily range practically equal to the normal; a mean rainfall in close agreement with the normal; and an excess of easterly winds.

The mean pressure was 29·860 in., or 0·011 in. above the normal. At Leith, at sea-level, pressure was above 30 in. from 2nd to 11th and on 22nd, and the extremes were 30·36 in. on 4th and 29·29 in. on 26th.

The fine and warm type of weather which had prevailed during the last ten days or so of July continued practically unbroken until 12th or 13th August, though night temperatures were fairly low on 5th and 8th. Highest readings occurred widely on 5th, various stations reaching 80°, and that day was in most eastern and some southern districts the warmest of the summer. After the middle of the month temperature was in general below the normal in north and east and above it in west and south, with a sharp fall on 29th when ground frost occurred in many districts, with readings in screen as low as 33° at Perth and West Linton. As regards the chief towns, the mean temperature was 58°·9, or 1°·6 above the normal; the days were 1°·7 and the nights 1°·5 above their respective averages; and the extremes were 83° on 5th, and 33° on 29th,—both at Perth.

Trifling to moderate falls occurred in some districts on 1st, but at many places the first twelve days of the month were rainless or all but so; at Edinburgh practically no rain fell from 18th July to 12th August. On 13th conditions had become generally unsettled, with some heavy falls on 14th and 15th,—on 15th as much as 1·80 in. near Balerno (Midlothian). Fine weather from 21st to 23rd was followed, except in the extreme north, by three or four days of very unsettled conditions, with falls exceeding 1 in. over wide areas on 25th,—as much as 2·50 in. at Lednathie and 2·14 in. at Dundee,—and some rather heavy falls on both 24th and 26th; at Aberdeen rain was practically continuous for 48 hours, with a total fall of about 2 $\frac{3}{4}$  in. The last four days of the month were practically rainless in many districts, but moderate falls occurred at places on 29th, and on 31st towards north-west. In most eastern districts aggregates were somewhat above the normal; in most western and southern, deficient; and in extreme north, very deficient. The aggregate of 0·77 in. at Kirkwall represented only  $\frac{1}{4}$  of the normal. In the chief towns the mean was 3·80 in., or 3 per cent. above the normal.

Thunderstorms occurred here and there around 10th; and in various districts, and more especially in the west, on one or more days between 15th and 18th.

Sunshine was abundant between 4th and 10th, whilst the period from 24th to 27th was exceptionally gloomy in the east. Aggregates were above the normal in the west; but decidedly below or hardly equal to it in the east. Much coast fog or mist occurred.

Aurora was observed from Stornoway on 22nd and from Eskdalemuir on 26th.

NOTE.—For statistical table see p. 80.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES  
in the Principal Towns, AUGUST 1916.

TOWNS.	POPULATION.		BIRTHS.					MARRIAGES.	DEATHS.					
	Census. 1911.	Estimated to middle of 1916.	Males.	Females.	Total.	Legiti- mate.	Illegiti- mate.		Males.	Females.	Total.	Out.	In.	Total Corrected.
GLASGOW, . . .	1,008,487	1,091,600	1247	1044	2291	2132	159	803	648	541	1189	88	69	1170
EDINBURGH, . .	320,769	329,200	261	265	526	455	71	302	180	171	351	72	57	336
DUNDEE, . . .	176,085	180,300	148	147	295	264	31	95	79	113	192	5	6	193
ABERDEEN, . .	163,891	165,600	144	171	315	278	37	105	76	88	164	21	8	151
PAISLEY, . . .	84,455	90,800	94	81	175	163	12	51	45	45	90	6	4	88
LEITH, . . .	80,601	82,100	91	58	149	139	10	43	41	34	75	8	19	86
GREENOCK, . .	75,140	77,700	107	101	208	201	7	48	48	46	94	3	4	95
PERTH, . . .	35,854	36,400	27	20	47	42	5	22	21	21	42	6	2	38
TOTAL . . . (EIGHT TOWNS)	1,945,282	2,053,700	2119	1887	4006	3674	332	1469	1138	1059	2197	209	169	2157
COATBRIDGE, . .	43,290	45,600	61	41	102	99	3	13	19	20	39	0	5	44
MOTHERWELL . .	40,380	42,100	52	49	101	99	2	20	16	18	34	0	2	36
KIRKCALDY . . .	39,601	40,900	33	28	61	56	5	8	18	27	45	2	4	47
HAMILTON, . . .	38,644	39,100	38	41	79	74	5	11	17	17	34	0	3	37
CLYDEBANK, . .	37,543	45,700	53	47	100	95	5	15	21	12	33	1	11	43
KILMARNOCK, . .	34,728	37,300	41	30	71	66	5	12	16	16	32	7	5	30
FALKIRK, . . .	33,574	34,100	26	22	48	47	1	13	13	12	25	1	1	25
AYR, . . .	32,986	33,500	29	24	53	49	4	13	19	22	41	9	5	37
TOTAL . . . (SIXTEEN TOWNS)	2,246,033	2,372,000	2452	2169	4621	4259	362	1574	1277	1203	2480	229	205	2456

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES  
in the Principal Towns, AUGUST 1916.

TOWNS.	Birth- Rate per 1000 of Popu- lation.	Illegiti- mate Birth- Rate per 100 Births.	Marriage- Rate per 1000 of Popu- lation.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		Principal Epidemic Diseases.	Tuber- culosis.	Phthisis.	All Re- spiratory Diseases.	Number.	* Rate per 1000 Births.
				Uncor- rected.	Cor- rected.						
GLASGOW, . . .	24·8	6·9	8·7	12·9	12·7	1·6	1·5	0·8	1·6	258	111
EDINBURGH, . .	18·9	13·5	10·8	12·6	12·1	0·5	1·6	1·1	1·4	32	63
DUNDEE, . . .	19·3	10·5	6·2	12·6	12·6	0·8	1·6	1·0	1·2	22	69
ABERDEEN, . .	22·5	11·7	7·5	11·7	10·8	0·8	0·9	0·6	1·4	26	83
PAISLEY, . . .	22·7	6·9	6·6	11·7	11·4	1·4	1·3	0·9	1·3	15	91
LEITH, . . .	21·4	6·7	6·2	10·8	12·4	2·2	1·3	0·7	1·0	15	66
GREENOCK, . .	31·6	3·4	7·3	14·3	14·4	1·5	2·1	1·8	1·4	16	85
PERTH, . . .	15·3	10·6	7·1	13·6	12·3	0·3	1·3	0·0	0·0	5	91
TOTAL . . . (EIGHT TOWNS)	23·0	8·3	8·4	12·6	12·4	1·3	1·5	0·9	1·4	389	96
COATBRIDGE, . .	26·4	2·9	3·4	10·1	11·4	0·5	1·8	1·0	1·0	10	101
MOTHERWELL, . .	28·3	2·0	5·6	9·5	10·1	1·7	0·8	0·8	0·8	8	75
KIRKCALDY, . .	17·6	8·2	2·3	13·0	13·6	0·6	0·6	0·3	2·0	3	44
HAMILTON, . . .	23·9	6·3	3·3	10·3	11·2	1·2	2·1	1·2	1·2	12	132
CLYDEBANK, . .	25·9	5·0	3·9	8·5	11·1	3·1	0·5	0·3	0·5	11	103
KILMARNOCK, . .	22·5	7·0	3·8	10·1	9·5	0·3	1·6	0·6	1·3	5	68
FALKIRK, . . .	16·6	2·1	4·5	8·7	8·7	0·7	0·3	0·0	0·7	5	78
AYR, . . .	18·7	7·5	4·6	14·4	13·0	0·0	3·2	2·5	2·5	3	47
TOTAL . . . (SIXTEEN TOWNS)	23·0	7·8	7·8	12·3	12·2	1·3	1·5	0·9	1·4	446	95

\* Based on the average number of births registered monthly during the past 12 months.



TABLE III.—BIRTH-RATE, DEATH-RATE, ETC., FOR AUGUST 1916, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM							Infantile Mortality.	Mean Temperature. (Eight Towns only.)
					Enteric Fever.	Smallpox.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria and Croup.	Diarrhoea (Under 2 Years).		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
AUG. 1916, .	23·0	7·8	7·8	12·2	5	0	29	19	25	17	158	95	58°·9
AUG. 1915, .	22·1	6·8	9·3	13·0	8	0	111	53	31	27	129	94	58°·1
AUG. 1914, .	25·3	7·3	7·7	13·7	19	0	19	26	62	32	201	114	58°·6
AUG. 1913, .	24·0	6·8	6·2	13·3	4	0	65	17	42	31	215	112	58°·1
AUG. 1912, .	24·7	7·3	6·2	12·8	3	0	30	13	62	26	116	90	53°·6
AUG. 1911, .	24·9	6·9	7·1	15·1	8	2	32	7	41	18	290	157	60°·7
AUG. 1910, .	26·0	7·9	6·8	15·0	7	0	12	20	35	22	179	126	58°·1
AUG. 1909, .	26·4	7·5	6·9	13·8	11	0	22	19	42	21	113	109	58°·1
AUG. 1908, .	26·7	8·2	7·0	15·4	15	0	15	6	79	17	-	131	57°·1
AUG. 1907, .	26·1	7·4	6·8	14·1	14	0	19	7	93	21	-	94	55°·0
AUG. 1906, .	28·9	8·1	6·8	14·7	11	0	24	4	45	14	-	127	58°·5

For all years up to and including 1911, figures are for Eight only of the Principal Towns.  
 Figures in Columns 5-13 have, for 1913 and subsequent years, been corrected for non-resident deaths

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—August 1916.

CAUSES OF DEATH.	All Ages.	Age.											
		-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	
Enteric Fever - - - - -	5	-	1	1	-	-	2	-	-	1	-	-	
Typhus Fever - - - - -	1	-	-	-	-	-	-	-	-	1	-	-	
Small-pox - - - - -	-	-	-	-	-	-	-	-	-	-	-	-	
Measles - - - - -	29	4	24	1	-	-	-	-	-	-	-	-	
Scarlet Fever - - - - -	19	-	11	6	2	-	-	-	-	-	-	-	
Whooping-cough - - - - -	25	10	15	-	-	-	-	-	-	-	-	-	
Diphtheria and Croup - - - - -	17	-	13	4	-	-	-	-	-	-	-	-	
Influenza - - - - -	5	1	-	-	-	-	1	-	1	-	1	1	
Erysipelas - - - - -	5	1	-	-	-	-	-	1	-	2	-	1	
Phthisis, Pulmonary Tuberculosis - - - - -	179	-	2	4	9	46	42	33	31	10	2	1	
Tuberculous Meningitis - - - - -	40	5	25	2	1	7	-	-	-	-	-	-	
Abdominal Tuberculosis - - - - -	32	7	10	7	1	2	2	1	1	1	-	-	
Other Tuberculous Diseases - - - - -	41	2	9	7	5	4	2	5	1	4	-	2	
Cancer, Malignant Disease - - - - -	213	-	-	1	-	3	8	17	43	69	44	28	
Rheumatic Fever - - - - -	14	-	-	1	2	2	1	1	3	3	1	-	
Meningitis - - - - -	38	13	13	2	3	2	3	1	-	1	-	-	
Organic Heart Disease - - - - -	235	-	-	2	2	10	9	14	26	66	67	39	
Bronchitis - - - - -	92	12	7	2	1	1	-	2	8	16	21	22	
Pneumonia (all forms) - - - - -	158	41	39	2	2	5	9	13	18	13	8	-	
Other Diseases of Respiratory Organs - - - - -	30	3	2	2	-	1	3	2	5	3	6	3	
Diarrhoea and Enteritis (under 2 years) - - - - -	158	122	36	-	-	-	-	-	-	-	-	-	
Appendicitis and Typhlitis - - - - -	18	-	1	3	4	3	-	2	3	2	-	-	
All Liver Diseases (not Malignant) - - - - -	20	-	-	-	-	1	1	2	6	4	3	3	
Other Diseases of Digestive System - - - - -	119	14	17	7	1	5	7	9	15	11	21	12	
Nephritis and Bright's Disease - - - - -	82	2	2	-	-	3	9	9	18	18	15	6	
Puerperal Sepsis - - - - -	5	-	-	-	-	1	3	1	-	-	-	-	
Other Diseases & Accidents of Pregnancy & Parturition - - - - -	7	-	-	-	-	1	2	4	-	-	-	-	
Congenital Debility and Malformation, including Pre-mature Birth - - - - -	146	143	1	-	-	2	-	-	-	-	-	-	
Violent Deaths, excluding Suicide - - - - -	*122	2	18	6	8	15	16	10	13	13	9	11	
Suicide - - - - -	6	-	-	-	-	-	1	2	2	-	1	-	
Other Defined Diseases - - - - -	549	61	18	9	5	19	18	28	66	85	107	133	
Diseases Ill-defined or Unknown - - - - -	46	3	4	1	2	1	2	2	8	13	3	7	
All Causes - - - - -	*2456	446	268	70	48	133	137	155	266	341	314	277	

\* Including 1 of unstated age.

## DEATHS IN EACH TOWN (corrected for Transfers)—August 1916.

CAUSES OF DEATH.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Leith.	Greenock.	Perth.
Enteric Fever ... ..	1	...	1	...	...	...	3	...
Typhus Fever ... ..	1	...	...	...	...	...	...	...
Small-pox ... ..	...	...	...	...	...	...	...	...
Measles ... ..	7	3	2	...	1	10	1	...
Scarlet Fever ... ..	6	...	1	1	3	1	...	...
Whooping-cough ... ..	15	1	1	2	2	1	1	...
Diphtheria and Croup ... ..	8	2	2	1	1	1	...	...
Influenza ... ..	1	...	1	...	1	...	...	...
Erysipelas ... ..	3	...	...	1	...	...	...	...
Phthisis, Pulmonary Tuberculosis ... ..	77	31	16	9	7	5	12	...
Tuberculous Meningitis ... ..	24	3	2	3	2	1	...	1
Abdominal Tuberculosis ... ..	16	6	3	...	...	1	1	1
Other Tuberculous Diseases ... ..	18	6	4	1	1	2	1	2
Cancer, Malignant Disease ... ..	82	44	22	13	4	8	10	5
Rheumatic Fever ... ..	5	3	2	...	2	...	1	...
Meningitis ... ..	22	...	1	1	2	1	3	...
Organic Heart Disease ... ..	87	36	28	27	10	10	10	4
Bronchitis ... ..	51	10	6	7	5	2	1	...
Pneumonia (all forms) ... ..	83	23	10	11	4	3	7	...
Other Diseases of Respiratory Organs ... ..	11	6	2	1	1	2	1	...
Diarrhoea and Enteritis (under 2 years) ... ..	113	8	5	7	4	2	5	1
Appendicitis and Typhlitis ... ..	10	4	...	1	2	...	...	...
All Liver Diseases (not Malignant) ... ..	11	2	2	1	...	1	1	...
Other Diseases of Digestive System ... ..	57	16	8	6	7	...	4	7
Nephritis and Bright's Disease ... ..	51	11	...	4	1	2	1	2
Puerperal Sepsis ... ..	3	...	...	...	...	...	...	...
Other Diseases and Accidents of Pregnancy and Parturition ... ..	3	1	...	...	...	1	...	...
Congenital Debility and Malformation, including Premature Birth ... ..	72	12	10	10	5	7	2	3
Violent Deaths, excluding Suicide ... ..	60	10	8	6	3	3	12	3
Suicide ... ..	...	1	3	...	...	...	1	...
Other Defined Diseases ... ..	247	94	51	36	20	22	16	8
Diseases Ill-defined or Unknown ... ..	25	3	2	2	...	...	1	1
All Causes ... ..	1170	336	193	151	88	86	95	38
AGE AT DEATH.								
Under 1 ... ..	258	32	22	26	15	15	16	5
1-4 ... ..	145	16	24	10	12	16	8	1
5-9 ... ..	30	6	8	6	2	1	2	2
10-14 ... ..	25	3	4	4	4	...	4	...
15-24 ... ..	58	19	11	8	5	5	6	4
25-34 ... ..	65	19	14	7	2	7	7	3
35-44 ... ..	72	24	10	6	4	6	7	2
45-54 ... ..	124	38	24	13	8	7	13	5
55-64 ... ..	142	60	32	21	11	13	14	7
65-74 ... ..	142	55	25	18	14	11	11	6
75 and over ... ..	109	64	19	32	11	5	7	3
All Ages ... ..	1170	336	193	151	88	86	95	38



## DEATHS IN EACH TOWN (corrected for Transfers)—August 1916—continued.

CAUSES OF DEATH.					Coatbridge.	Motherwell.	Kirkealdy.	Hamilton.	Clydebank.	Kilmarnock.	Falkirk.	Ayr.
Enteric Fever ... ..	...	...	...	...	...	...	...	...	...	...	...	...
Typhus Fever ... ..	...	...	...	...	...	...	...	...	...	...	...	...
Small-pox ... ..	...	...	...	...	...	...	...	...	...	...	...	...
Measles ... ..	...	...	...	...	...	...	...	1	4	...	...	...
Scarlet Fever ... ..	...	...	...	...	...	4	...	...	3	...	...	...
Whooping-cough ... ..	...	...	...	...	...	2	...	...	...	...	...	...
Diphtheria and Croup ... ..	...	...	...	...	...	...	2	...	...	...	...	...
Influenza ... ..	...	...	...	...	...	...	1	1	...	...	...	...
Erysipelas ... ..	...	...	...	...	...	...	...	1	...	...	...	...
Phthisis, Pulmonary Tuberculosis ... ..	...	...	...	...	4	3	1	4	1	2	...	7
Tuberculous Meningitis ... ..	...	...	...	...	...	...	...	1	...	1	1	1
Abdominal Tuberculosis ... ..	...	...	...	...	2	...	...	1	...	1	...	...
Other Tuberculous Diseases ... ..	...	...	...	...	1	...	1	1	1	1	...	1
Cancer, Malignant Disease ... ..	...	...	...	...	4	1	3	1	4	3	3	6
Rheumatic Fever ... ..	...	...	...	...	...	...	...	...	...	...	1	...
Meningitis ... ..	...	...	...	...	4	2	1	1	...	...	...	...
Organic Heart Disease ... ..	...	...	...	...	3	4	6	2	3	5	...	...
Bronchitis ... ..	...	...	...	...	2	...	3	2	1	2	...	...
Pneumonia (all forms) ... ..	...	...	...	...	2	2	3	2	...	1	2	5
Other Diseases of Respiratory Organs ... ..	...	...	...	...	...	1	1	...	1	1	...	2
Diarrhoea and Enteritis (under 2 years) ... ..	...	...	...	...	2	...	...	3	5	1	2	...
Appendicitis and Typhlitis ... ..	...	...	...	...	...	...	...	...	1	...	...	...
All Liver Diseases (not Malignant) ... ..	...	...	...	...	1	...	...	...	...	...	...	1
Other Diseases of Digestive System ... ..	...	...	...	...	1	2	2	2	3	...	2	2
Nephritis and Bright's Disease ... ..	...	...	...	...	1	1	3	...	2	...	2	1
Puerperal Sepsis ... ..	...	...	...	...	...	1	1	...	...	...	...	...
Other Diseases and Accidents of Pregnancy and Parturition ... ..	...	...	...	...	2	...	...	...	...	...	...	...
Congenital Debility and Malformation, including Premature Birth ... ..	...	...	...	...	4	3	3	4	4	3	2	2
Violent Deaths, excluding Suicide ... ..	...	...	...	...	3	3	2	2	4	...	2	1
Suicide ... ..	...	...	...	...	...	...	1	...	...	...	...	...
Other Defined Diseases ... ..	...	...	...	...	6	6	12	7	4	8	7	5
Diseases Ill-defined or Unknown ... ..	...	...	...	...	2	1	1	1	2	1	1	3
All Causes ... ..	...	...	...	...	44	36	47	37	43	30	25	37
AGE AT DEATH. •												
Under 1 ... ..	...	...	...	...	10	8	3	12	11	5	5	3
1- 4 ... ..	...	...	...	...	6	7	3	6	5	2	4	3
5- 9 ... ..	...	...	...	...	1	1	1	...	5	3	2	...
10-14 ... ..	...	...	...	...	1	...	...	...	1	...	2	...
15-24 ... ..	...	...	...	...	1	1	5	4	...	...	3	3
25-34 ... ..	...	...	...	...	4	2	2	2	2	...	...	1
35-44 ... ..	...	...	...	...	5	1	4	2	4	...	1	7
45-54 ... ..	...	...	...	...	4	10	6	1	3	4	4	2
55-64 ... ..	...	...	...	...	3	3	9	5	4	5	2	10
65-74 ... ..	...	...	...	...	6	1	9	...	4	7	1	4
75 and over ... ..	...	...	...	...	3	2	5	5	3	4	1	4
All Ages ... ..	...	...	...	...	44	36	47	37	*43	30	25	37

\* Includes 1 of unstated age.

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, LEITH, GREENOCK, and PERTH,

During the Month of AUGUST 1916.

OBSERVERS.	BARO-METER.		AIR TEMPERATURE.							HYGROMETER.				RAIN, AND OTHER FORMS OF PRECIPITATION.		WIND DIRECTIONS.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
	Mean at Station and 32°. Mean at Sea-Level and 32°.		Mean of	Difference from Average			Absolute Maximum and Minimum.				Mean at 9 A.M. and 9 P.M.				Number of Days.	Total Fall.	Difference from Average.	Number of Observations at 9 A.M. and 9 P.M.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
				Maximum (A.).	Minimum (B.).	°	°	°	°	°	°	°	°	°				°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°

North Latitude.—Glasgow, 55° 51'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 55° 31'; Leith, 55° 58'; Greenock, 55° 57'; Perth, 56° 23'; Mean, 56° 11'.  
West Longitude.—Glasgow, 4° 13'; Edinburgh, 3° 11'; Dundee, 2° 57'; Aberdeen, 2° 7'; Paisley, 4° 27'; Leith, 3° 8'; Greenock, 4° 46'; Perth, 3° 25'; Mean, 3° 32'.

\* At King's College, at 7 A.M. and 6 P.M.  
† At Q.A.M. only.



MONTHLY RETURN  
OF THE  
BIRTHS, DEATHS, AND MARRIAGES  
IN SIXTEEN OF THE PRINCIPAL TOWNS OF  
SCOTLAND.

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SEPTEMBER 1916.

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REPORT.

During the month of September 1916 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1911 Census had populations of over 30,000, the births of 4227 living children, of whom 2175 were male and 2052 were female. The male children of the month are 277 fewer than those of the previous month, but 55 more than those of September of last year. The female children of the month are 117 fewer than those of the previous month, and 82 fewer than those of September of last year. The total children of the month are 394 fewer than those of the previous month, 518 less than the mean of the numbers of the three preceding months, and 27 fewer than those of September of last year. The monthly birth-rate is 21·7 per thousand of the estimated aggregate population of these towns. It is 1·3 less than that of August, 2·2 less than the mean of those of June, July and August, and 0·4 less than that of September of last year. In the individual towns the monthly birth-rate ranged from 27·3 in Clydebank, 27·1 in Coatbridge, 26·8 in Greenock, and 25·8 in Motherwell and in Ayr, to 15·8 in Kirkcaldy, 16·6 in Edinburgh, and 18·1 in Perth. In Hamilton this rate was 23·4; in Glasgow, 23·3; in Kilmarnock, 22·6; in Leith, 22·3; in Falkirk, 20·4; in Paisley, 20·3; in Aberdeen, 19·6; and in Dundee, 19·1.

Of the 4227 children whose births were registered during the month, 3924, or 92·8 per cent., were legitimate, while 303, or 7·2 per cent., were illegitimate. The illegitimate births of the month are 59 less than those of the previous month, and 54 less than the mean of the numbers of the three preceding months, but are 5 more than those of September of last year. The illegitimate rate is 0·6 less than that of the previous month, and 0·3 less than the mean of those of the three preceding months, but is 0·2 more than that of September of last year. In the individual towns the illegitimate rate of the month varied from 13·2 per cent. in Kirkcaldy, 13·0 in Perth, and 12·0 in Aberdeen, to 1·0 in Clydebank, 1·1 in Motherwell, 1·3 in Paisley, and 2·0 in Coatbridge. In Edinburgh this rate was 10·0; in Ayr, 9·9; in Hamilton, 9·3; in Dundee, 8·8; in Glasgow, 7·0; in Kilmarnock, 5·8; in Greenock, 5·3; in Falkirk, 5·3; and in Leith, 4·0.

Marriages registered in these towns during the month numbered 1376. They are 198 fewer than registered in the previous month, 449 less than the mean

of the numbers of the three preceding months, and 444 less than that of the corresponding month of last year. The monthly marriage-rate is 7.1 per thousand. It is 0.7 less than that of the previous month, 2.1 less than the mean of those of the three preceding months, and 2.3 less than that of September of last year.

Deaths registered in these towns during the month numbered 2639, 1329 being of males, and 1310 of females. These deaths include those of 218 persons with usual residence outwith the town of registration, but exclude those of 198 persons who, though dying elsewhere in Scotland, had usual residence in one or other of these towns, and the difference, 20, falls to be deducted to get the corrected number of the month, which is thus found to be 2619. The corrected number of deaths of the month is 163 more than that of the previous month, and 164 more than the mean of those of the three preceding months, but is the same as that of September of last year.

The death-rate of the month, corrected, was 13.5. It is 1.3 more than that of the previous month, and 1.1 more than the mean of those of the three preceding months, but is 0.1 less than that of September of last year. In the individual towns the monthly death-rate ranged from 15.6 in Dundee, 15.4 in Greenock, 14.3 in Glasgow, and 14.2 in Coatbridge, to 8.2 in Falkirk, 8.3 in Kirkcaldy, and 9.6 in Motherwell. In Edinburgh this rate was 13.6; in Ayr, 13.5; in Perth, 13.4; in Leith, 12.6; in Paisley 12.5; in Kilmarnock, 11.5; in Aberdeen, 11.1; in Clydebank, 10.7; and in Hamilton, 10.0.

Deaths of children of less than one year old numbered 569. They are 123 more than in the previous month, and 185 more than the mean of the numbers of the three preceding months, but are 12 fewer than in September of last year. They are equal to an infantile mortality rate of 125 per thousand of the average number of births registered monthly during the preceding twelve months, which rate is 30 more than that of the previous month, 42 more than the mean of those of the three preceding months, and 5 more than that of September of last year. In the towns taken individually this rate ranged from 156 in Coatbridge, 148 in Glasgow, and 140 in Dundee, to 42 in Kilmarnock, 68 in Motherwell, 73 in Leith, and 75 in Perth. In Ayr this rate was 127; in Kirkcaldy, 123; in Aberdeen, 120; in Hamilton, 105; in Greenock, 98; in Clydebank, 96; in Paisley, 94; in Edinburgh, 88; and in Falkirk, 81.

Deaths from the principal epidemic diseases numbered 360. They are 107 more than those of the previous month, and 139 more than the mean of the numbers of the three preceding months, but are 6 fewer than those of September of last year. They included 10 from enteric fever, 25 from measles, 18 from scarlet fever, 21 from whooping-cough, 30 from diphtheria, and 256 from the diarrhoeas of childhood. The monthly death-rate from these causes was 1.9 per thousand. It is 0.6 more than that of the previous month, and 0.8 more than the mean of those of the three preceding months, but is the same as that of September of last year. In the towns taken individually this rate varied from 2.6 in Glasgow, 2.0 in Greenock, and 1.9 in Hamilton, to 0.7 in Aberdeen, in Kilmarnock, and in Falkirk. In Dundee this rate was 1.7; in Coatbridge, 1.6; in Clydebank, 1.6; in Paisley, 1.5; in Ayr, 1.5; in Leith, 1.0; in Perth, 1.0; in Edinburgh, 0.9; in Motherwell, 0.9; and in Kirkcaldy, 0.9.

Deaths from pneumonia numbered 113, and from bronchitis, 119. The former are 45 fewer, but the latter are 27 more than in the previous month.

Deaths from all forms of tuberculous disease numbered 299, 186 of them being attributed to phthisis. Compared with the returns of the previous month, all deaths from tuberculosis are 7 more, and those from phthisis are also 7 more. Compared with the numbers in September of last year, those from all tuberculosis are 1 fewer, but those from phthisis are 13 fewer.



# METEOROLOGICAL NOTES for Eight of the Principal Towns, by A. WATT, M.A., F.R.S.E., Secretary to the Scottish Meteorological Society.

## SEPTEMBER 1916.

Mean barometric pressure, 30·001 in.; greater than the average of 1876–1910 by 0·074 in.

Mean temperature, 53°·8; being the normal.

Mean daily range of temperature, 12°·6; less by 0°·9.

Rain, number of days, 12; less by 4 days.

Rain, depth in inches, 1·40; less by 1·41 in.

Wind, direction of: a 3 days' excess of winds from N.W. and N.

Hence the month was characterised by a high mean pressure; a mean temperature equal to the normal, with a somewhat low mean daily range; a very low mean rainfall; and an excess of northerly and north-westerly winds.

The mean pressure was 30·001 in., or 0·074 in. above the normal. At Leith, at sea-level, pressure was above 30 in. from 6th to 10th, on 14th, on 16th, from 20th to 22nd, from 25th to 27th, and on 30th, the extremes there being 30·39 in. on 7th and 9th and 29·19 in. on evening of 18th.

For the first ten days or so temperature was in general above the normal, with highest readings for the month from 6th to 8th and one or two very mild nights about that time. Thereafter, with winds at times from an easterly or northerly quarter, a good deal of cold weather was experienced, with lowest readings on 14th or around 21st. At West Linton on 21st the thermometer in screen fell to 28° and that on grass to 23°. As regards the chief towns, the mean temperature was 53°·8, or exactly the normal; the days were 0°·4 below and the nights 0°·5 above their respective averages; and the extremes were 74° at Aberdeen on 6th and at Paisley on 7th, and 32° at Perth on 20th.

A great deal of rainless weather was experienced during the month; but on 3rd rather heavy falls occurred in east and south, with 1 in. or more at Edinburgh and elsewhere, and from 11th to 18th conditions were rather unsettled, with some heavy falls in western and inland districts on 17th and 18th. Thereafter hardly any rain of importance fell except on 27th in some eastern and central districts—fully half-an-inch at Dundee. At Edinburgh two-thirds of the month's total was accounted for on 3rd, and no day thereafter had as much as one tenth of an inch. In the extreme south-east aggregates were equal to or slightly above the normal; but in nearly all districts the month's rainfall was very deficient, and some stations registered less than 1 in. For the chief towns the mean was 1·40 in., or 50 per cent. below the normal.

Strong, squally winds were experienced on 17th and 18th,—from S. and S.W. on 17th and from N. and N.W. on 18th.

A thunderstorm occurred at Edinburgh on afternoon of 4th.

Sunshine aggregates were below the normal in the north, but fully equal to it in the south. Much coast fog or mist occurred.

Aurora was observed somewhat widely on 4th.

NOTE.—For statistical table see p. 88.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES  
in the Principal Towns, SEPTEMBER 1916.

TOWNS.	POPULATION.		BIRTHS.					MARRIAGES.	DEATHS.					
	Census. 1911.	Estimated to middle of 1916.	Males.	Females.	Total.	Legiti- mate.	Illegiti- mate.		Males.	Females.	Total.	Out.	In.	Total Corrected.
GLASGOW, . . .	1,008,487	1,091,600	1052	1034	2086	1941	145	655	676	626	1302	94	68	1276
EDINBURGH, . .	320,769	329,200	232	217	449	404	45	284	174	193	367	55	54	366
DUNDEE, . . .	176,085	180,300	160	123	283	268	25	95	97	136	233	10	7	230
ABERDEEN, . .	163,891	165,600	122	144	266	234	32	81	78	75	153	12	9	150
PAISLEY, . . .	84,455	90,800	88	63	151	149	2	48	45	47	92	8	9	93
LEITH, . . . .	80,601	82,100	75	75	150	144	6	29	37	40	77	3	11	85
GREENOCK, . .	75,140	77,700	93	78	171	162	9	35	56	48	104	8	2	98
PERTH, . . . .	35,854	36,400	22	32	54	47	7	17	17	28	45	8	3	40
TOTAL . . . (EIGHT TOWNS)	1,945,282	2,053,700	1844	1766	3610	3339	271	1244	1180	1193	2373	198	163	2338
COATBRIDGE, . .	43,290	45,600	52	49	101	99	2	19	26	26	52	1	2	53
MOTHERWELL . .	40,380	42,100	46	43	89	88	1	18	21	8	29	0	4	33
KIRKCALDY, . .	39,601	40,900	27	26	53	46	7	14	14	12	26	0	2	28
HAMILTON, . . .	33,644	39,100	41	34	75	68	7	15	16	13	29	1	4	32
CLYDEBANK, . .	37,548	45,700	55	47	102	101	1	13	15	17	32	4	12	40
KILMARNOCK, . .	34,728	37,300	36	33	69	65	4	15	22	14	36	6	5	35
FALKIRK, . . .	33,574	34,100	36	21	57	54	3	16	10	11	21	2	4	23
AYR, . . . . .	32,986	33,500	38	33	71	64	7	22	25	16	41	6	2	37
TOTAL . . . (SIXTEEN TOWNS)	2,246,033	2,372,000	2175	2052	4227	3924	303	1376	1329	1310	2639	218	198	2619

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES  
in the Principal Towns, SEPTEMBER 1916..

TOWNS.	Birth- Rate per 1000 of Popu- lation.	Illegiti- mate Birth- Rate per 100 Births.	Marriage- Rate per 1000 of Popu- lation.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		Principal Epidemic Diseases.	Tuber- culosis.	Phthisis.	All Re- spiratory Diseases.	Number.	* Rate per 1000 Births.
				Uncor- rected.	Cor- rected.						
GLASGOW, . . .	23·3	7·0	7·3	14·6	14·3	2·6	1·6	1·0	1·4	334	148
EDINBURGH, . .	16·6	10·0	10·5	13·6	13·6	0·9	1·5	1·1	1·3	43	88
DUNDEE, . . .	19·1	8·8	6·4	15·8	15·6	1·7	1·3	1·1	1·2	43	140
ABERDEEN, . .	19·6	12·0	6·0	11·3	11·1	0·7	1·3	0·9	1·2	36	120
PAISLEY, . . .	20·3	1·3	6·4	12·4	12·5	1·5	1·7	1·2	1·5	15	94
LEITH, . . . .	22·3	4·0	4·3	11·4	12·6	1·0	1·0	0·3	1·6	11	73
GREENOCK, . .	26·8	5·3	5·5	16·3	15·4	2·0	0·9	0·6	1·3	18	98
PERTH, . . . .	18·1	13·0	5·7	15·1	13·4	1·0	2·0	0·7	1·7	4	75
TOTAL . . . (EIGHT TOWNS)	21·4	7·5	7·4	14·1	13·9	1·9	1·6	1·0	1·4	504	129
COATBRIDGE, . .	27·1	2·0	5·1	14·0	14·2	1·6	1·3	1·1	1·9	15	156
MOTHERWELL, .	25·8	1·1	5·2	8·4	9·6	0·9	0·9	0·3	1·4	7	68
KIRKCALDY, . .	15·8	13·2	4·2	7·7	8·3	0·9	0·9	0·6	1·5	8	123
HAMILTON, . . .	23·4	9·3	4·7	9·1	10·0	1·9	0·9	0·6	1·2	9	105
CLYDEBANK, . .	27·3	1·0	3·5	8·6	10·7	1·6	0·8	0·8	1·1	10	96
KILMARNOCK, .	22·6	5·8	4·9	11·3	11·5	0·7	2·0	1·3	1·0	3	42
FALKIRK, . . .	20·4	5·3	5·7	7·5	8·2	0·7	2·1	0·7	0·7	5	81
AYR, . . . . .	25·8	9·9	8·0	14·9	13·5	1·5	2·5	1·8	1·1	8	127
TOTAL . . . (SIXTEEN TOWNS)	21·7	7·2	7·1	13·6	13·5	1·9	1·5	1·0	1·4	569	125

\* Based on the average number of births registered monthly during the past 12 months.



TABLE III.—BIRTH-RATE, DEATH-RATE, ETC., FOR SEPTEMBER 1916, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM							Infantile Mortality.	Mean Temperature. (Eight Towns only.)
					Enteric Fever.	Smallpox.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria and Croup.	Diarrhoea (Under 2 Years).		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
SEPT. 1916, .	21·7	7·2	7·1	13·5	10	0	25	18	21	30	256	125	53°·8
SEPT. 1915, .	22·1	7·0	9·4	13·6	11	0	50	52	17	43	193	120	54°·3
SEPT. 1914, .	25·2	7·1	10·0	16·2	13	0	8	41	62	28	383	161	54°·1
SEPT. 1913, .	24·7	6·6	9·5	16·0	12	0	51	22	27	36	321	153	54°·4
SEPT. 1912, .	24·3	7·3	8·2	12·6	5	3	4	13	32	33	79	89	51°·3
SEPT. 1911, .	23·7	7·6	8·6	15·9	8	0	13	12	40	37	265	162	54°·1
SEPT. 1910, .	24·6	7·3	7·8	14·9	8	0	7	21	36	43	184	133	54°·5
SEPT. 1909, .	25·5	7·9	7·9	14·2	11	0	11	25	24	34	100	104	51°·7
SEPT. 1908, .	26·6	8·0	7·9	15·1	9	0	10	10	56	26	—	130	54°·2
SEPT. 1907, .	25·6	7·1	8·6	14·4	9	0	14	4	67	12	—	107	54°·6
SEPT. 1906, .	26·4	7·4	8·0	16·4	20	0	11	12	41	18	—	151	55°·2

For all years up to and including 1911, figures are for Eight only of the Principal Towns.  
Figures in Columns 5-13 have, for 1913 and subsequent years, been corrected for non-resident deaths

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—September 1916.

CAUSES OF DEATH.	All Ages.	Age.											
		-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	
Enteric Fever - - - - -	10	-	-	1	-	5	2	1	1	-	-	-	
Typhus Fever - - - - -	-	-	-	-	-	-	-	-	-	-	-	-	
Small-pox - - - - -	-	-	-	-	-	-	-	-	-	-	-	-	
Measles - - - - -	25	3	21	1	-	-	-	-	-	-	-	-	
Scarlet Fever - - - - -	18	2	9	7	-	-	-	-	-	-	-	-	
Whooping-cough - - - - -	21	9	12	-	-	-	-	-	-	-	-	-	
Diphtheria and Croup - - - - -	30	5	20	5	-	-	-	-	-	-	-	-	
Influenza - - - - -	2	-	-	-	-	-	-	-	-	-	1	1	
Erysipelas - - - - -	3	-	-	-	-	-	-	2	-	-	1	-	
Phthisis, Pulmonary Tuberculosis - - - - -	186	-	3	4	8	48	46	41	14	12	8	2	
Tuberculous Meningitis - - - - -	44	15	19	6	2	1	1	-	-	-	-	-	
Abdominal Tuberculosis - - - - -	41	8	13	6	3	-	5	4	2	-	-	-	
Other Tuberculous Diseases - - - - -	28	1	6	6	1	3	3	4	-	4	-	-	
Cancer, Malignant Disease - - - - -	228	1	2	-	-	4	9	12	41	63	73	23	
Rheumatic Fever - - - - -	8	-	-	1	1	3	1	-	1	1	-	-	
Meningitis - - - - -	32	9	14	4	1	1	-	-	2	1	-	-	
Organic Heart Disease - - - - -	234	-	1	1	2	13	14	22	32	48	65	36	
Bronchitis - - - - -	119	21	8	1	2	1	1	8	9	18	27	23	
Pneumonia (all forms) - - - - -	113	26	23	1	4	2	6	10	12	11	11	7	
Other Diseases of Respiratory Organs - - - - -	32	2	4	2	-	-	2	3	5	6	5	3	
Diarrhoea and Enteritis (under 2 years) - - - - -	256	198	58	-	-	-	-	-	-	-	-	-	
Appendicitis and Typhlitis - - - - -	13	-	-	4	2	1	-	-	3	1	-	2	
All Liver Diseases (not Malignant) - - - - -	26	-	-	-	-	-	1	1	7	7	8	2	
Other Diseases of Digestive System - - - - -	143	18	27	13	3	4	5	12	17	19	17	8	
Nephritis and Bright's Disease - - - - -	65	1	2	2	1	2	2	7	12	21	11	4	
Puerperal Sepsis - - - - -	11	-	-	-	-	2	5	4	-	-	-	-	
Other Diseases & Accidents of Pregnancy & Parturition - - - - -	14	-	-	-	-	3	4	6	1	-	-	-	
Congenital Debility and Malformation, including Pre-mature Birth - - - - -	174	173	1	-	-	-	-	-	-	-	-	-	
Violent Deaths, excluding Suicide - - - - -	*121	6	11	9	5	9	14	19	18	12	10	7	
Suicide - - - - -	13	-	-	-	-	-	1	3	4	1	2	2	
Other Defined Diseases - - - - -	565	70	25	2	11	16	26	26	56	92	108	133	
Diseases Ill-defined or Unknown - - - - -	44	1	-	2	1	-	3	5	8	6	12	6	
All Causes - - - - -	*2619	569	279	78	47	118	151	190	245	323	359	259	

\* Including 1 of unstated age.

## DEATHS IN EACH TOWN (corrected for Transfers)—September 1916.

CAUSES OF DEATH.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Leith.	Greenock.	Perth.
Enteric Fever ... ..	3	...	1	1	...	1	2	...
Typhus Fever ... ..	...	...	...	...	...	...	...	...
Small-pox ... ..	...	...	...	...	...	...	...	...
Measles ... ..	17	...	2	1	1	1	1	...
Scarlet Fever ... ..	8	2	2	...	1	...	...	3
Whooping-cough ... ..	9	1	2	2	1	1	...	...
Diphtheria and Croup ... ..	11	7	1	2	3	3	...	...
Influenza ... ..	...	2	...	...	...	...	...	...
Erysipelas ... ..	2	...	...	...	...	...	...	...
Phthisis, Pulmonary Tuberculosis ... ..	87	31	16	12	9	2	4	2
Tuberculous Meningitis ... ..	17	4	5	5	2	4	...	1
Abdominal Tuberculosis ... ..	23	5	3	...	1	1	1	3
Other Tuberculous Diseases ... ..	18	1	3	1	1	...	1	...
Cancer, Malignant Disease ... ..	100	40	24	19	6	8	7	6
Rheumatic Fever ... ..	5	1	...	...	...	...	...	...
Meningitis ... ..	18	3	1	1	1	...	4	...
Organic Heart Disease ... ..	95	37	21	12	6	14	18	5
Bronchitis ... ..	53	16	6	8	5	5	2	3
Pneumonia (all forms) ... ..	61	12	6	8	4	6	4	2
Other Diseases of Respiratory Organs ... ..	14	7	5	...	2	...	2	...
Diarrhoea and Enteritis (under 2 years) ... ..	189	13	17	3	5	1	10	...
Appendicitis and Typhlitis ... ..	4	2	2	1	...	...	1	1
All Liver Diseases (not Malignant) ... ..	14	3	2	...	2	1	...	1
Other Diseases of Digestive System ... ..	79	22	11	4	6	3	5	1
Nephritis and Bright's Disease ... ..	31	12	3	5	1	2	3	...
Puerperal Sepsis ... ..	5	1	3	1	...	...	1	...
Other Diseases and Accidents of Pregnancy and Parturition ... ..	6	2	4	...	...	...	1	...
Congenital Debility and Malformation, including Premature Birth ... ..	81	15	22	15	5	3	6	3
Violent Deaths, excluding Suicide ... ..	64	15	6	7	1	7	5	1
Suicide ... ..	4	4	3	1	...	...	...	...
Other Defined Diseases ... ..	230	104	59	38	25	22	19	7
Diseases Ill-defined or Unknown ... ..	28	4	...	3	5	...	1	1
All Causes ... ..	1276	366	230	150	93	85	98	40
AGE AT DEATH.								
Under 1 ... ..	334	43	43	36	15	11	18	4
1-4 ... ..	164	25	25	6	9	11	10	4
5-9 ... ..	41	6	7	4	6	1	4	2
10-14 ... ..	26	5	1	4	...	1	...	2
15-24 ... ..	63	16	6	6	6	6	3	1
25-34 ... ..	67	22	15	10	7	4	8	2
35-44 ... ..	86	25	20	8	9	8	8	5
45-54 ... ..	111	35	24	16	7	5	8	4
55-64 ... ..	143	69	27	10	14	14	13	2
65-74 ... ..	158	64	30	28	10	17	16	7
75 and over ... ..	83	56	31	22	10	7	10	7
All Ages ... ..	1276	366	*230	150	93	85	98	40

\* Including 1 of unstated age.



## DEATHS IN EACH TOWN (corrected for Transfers)—September 1916—continued.

CAUSES OF DEATH.					Coatbridge.	Motherwell.	Kirkcaldy.	Hamilton.	Clydebank.	Kilmarnock.	Falkirk.	Ayr.
Enteric Fever ... ..	...	...	...	...	...	...	...	...	...	1	...	1
Typhus Fever ... ..	...	...	...	...	...	...	...	...	...	...	...	...
Small-pox ... ..	...	...	...	...	...	...	...	...	...	...	...	...
Measles ... ..	...	...	...	...	...	...	...	...	2	...	...	...
Scarlet Fever ... ..	...	...	...	...	...	...	...	1	1	...	...	...
Whooping-cough ... ..	...	...	...	...	4	...	...	1	...	...	...	...
Diphtheria and Croup ... ..	...	...	...	...	...	1	1	...	1	...	...	...
Influenza ... ..	...	...	...	...	...	...	...	...	...	...	...	...
Erysipelas ... ..	...	...	...	...	1	...	...	...	...	...	...	...
Phthisis, Pulmonary Tuberculosis ... ..	...	...	...	...	4	1	2	2	3	4	2	5
Tuberculous Meningitis ... ..	...	...	...	...	...	2	...	...	...	1	2	1
Abdominal Tuberculosis ... ..	...	...	...	...	...	...	1	1	...	...	2	...
Other Tuberculous Diseases ... ..	...	...	...	...	1	...	...	...	...	1	...	1
Cancer, Malignant Disease ... ..	...	...	...	...	...	2	2	1	5	4	2	2
Rheumatic Fever ... ..	...	...	...	...	...	...	...	1	...	...	1	...
Meningitis ... ..	...	...	...	...	1	...	...	1	1	...	...	1
Organic Heart Disease ... ..	...	...	...	...	10	2	1	3	4	1	1	4
Bronchitis ... ..	...	...	...	...	4	4	3	4	2	1	...	3
Pneumonia (all forms) ... ..	...	...	...	...	2	1	2	...	2	1	2	...
Other Diseases of Respiratory Organs ... ..	...	...	...	...	1	...	...	...	...	1	...	...
Diarrhoea and Enteritis (under 2 years) ... ..	...	...	...	...	2	2	2	4	2	1	2	3
Appendicitis and Typhlitis ... ..	...	...	...	...	...	...	...	...	1	...	...	1
All Liver Diseases (not Malignant) ... ..	...	...	...	...	1	...	2	...	...	...	...	...
Other Diseases of Digestive System ... ..	...	...	...	...	2	3	...	2	...	...	1	4
Nephritis and Bright's Disease ... ..	...	...	...	...	1	...	1	2	...	4	...	...
Puerperal Sepsis ... ..	...	...	...	...	...	...	...	...	...	...	...	...
Other Diseases and Accidents of Pregnancy and Parturition ... ..	...	...	...	...	...	...	...	...	...	1	...	...
Congenital Debility and Malformation, including Premature Birth ... ..	...	...	...	...	6	3	3	3	6	1	2	...
Violent Deaths, excluding Suicide ... ..	...	...	...	...	4	2	1	2	1	1	3	1
Suicide ... ..	...	...	...	...	...	1	...	...	...	...	...	...
Other Defined Diseases ... ..	...	...	...	...	8	8	7	4	9	12	3	10
Diseases Ill-defined or Unknown ... ..	...	...	...	...	1	1	...	...	...	...	...	...
All Causes ... ..	...	...	...	...	53	33	28	32	40	35	23	37
AGE AT DEATH.												
Under 1 ... ..	...	...	...	...	15	7	8	9	10	3	5	8
1-4 ... ..	...	...	...	...	3	6	2	3	5	1	4	1
5-9 ... ..	...	...	...	...	...	...	1	...	1	1	2	2
10-14 ... ..	...	...	...	...	2	...	...	1	2	3	...	...
15-24 ... ..	...	...	...	...	2	...	...	...	1	5	...	3
25-34 ... ..	...	...	...	...	1	...	1	3	4	...	4	3
35-44 ... ..	...	...	...	...	4	4	5	2	2	3	1	...
45-54 ... ..	...	...	...	...	11	6	1	3	3	4	1	6
55-64 ... ..	...	...	...	...	5	2	6	5	4	4	...	5
65-74 ... ..	...	...	...	...	1	5	4	2	4	5	2	6
75 and over ... ..	...	...	...	...	9	3	...	4	4	6	4	3
All Ages ... ..	...	...	...	...	53	33	28	32	40	35	23	37

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, LEITH, GREENOCK, and PERTH,

During the Month of SEPTEMBER 1916.

OBSERVERS.	BARO-METER.		AIR TEMPERATURE.						HYGROMETER.				RAIN, AND OTHER FORMS OF PRECIPITATION.		WIND DIRECTIONS.																
	Mean at Station and 32°.		Mean at Sea-Level and 32°.		Mean of		Mean of A and B (Mean Temperature).		Difference from Average		Absolute Maximum and Minimum.				Mean at 9 A.M. and 9 P.M.		Number of Observations at 9 A.M. and 9 P.M.		Number of Observations at 9 A.M. and 9 P.M.												
	feet.	inch.	inch.	inch.	°	°	°	°	°	°	Maximum	Day of Month.	Minimum.	Day of Month.	Dry Bulb.	Depression of Wet Bulb.	Vapour Pressure.	Humidity.	Total Fall.	Difference from Average.	Calm or Variable.										
																						N	NE	E	SE	S	SW	W	NW		
GLASGOW, The Observatory.	184	29·802	30·003	inch.	59·0	48·9	54·0	+0·6	°	71	7th	39	14th	53·1	2·6	°	inch.	·334	82	12	0·79	-2·35	1	8	5	1	3	13	21	7	1
EDINBURGH, PROFESSOR R. A. SAMPSON, F.R.S.	441	29·525	30·003	inch.	59·0	47·6	53·3	0·0	°	73	8th	39	14th	52·4	2·6	°	inch.	·326	83	12	1·47	-0·43	3	3	9	0	4	6	16	8	11
DUNDEE, ALEX. MACRAE, Curator of Cemeteries.	164	29·815	29·994	inch.	60·7	46·5	53·6	-0·1	°	70	6, 12	36	20th	51·4	1·7	°	inch.	·336	89	10	1·70	-0·57	0	5	0	16	0	24	2	13	0
ABERDEEN,* The Meteorological Office.	90	29·874	29·974	inch.	59·4	47·6	53·5	+0·5	°	74	6th	40	14th	52·4	1·4	°	inch.	·355	90	13	1·66	-0·71	6	2	3	7	12	8	4	14	4
PAISLEY, The Coats Observatory.	107	29·895	30·013	inch.	61·6	48·3	55·0	0·0	°	74	7th	36	14th	54·5	2·8	°	inch.	·347	81	14	0·98	-1·11	8	0	11	1	3	2	20	5	10
LEITH,† JAMES BOLAM, Navigation School.	76	29·929	30·012	inch.	59·5	48·3	53·9	-1·0	°	71	8th	38	21st	53·3	2·6	°	inch.	·336	82	12	0·85	-1·39	0	8	10	6	0	8	24	4	0
GREENOCK, DANIEL MACALISTER, C.E., Greenock Waterworks.	233	29·746	30·007	inch.	59·8	48·2	54·0	+0·2	°	70	7th	35	14th	54·0	2·3	°	inch.	·352	84	18	2·38	-2·67	0	4	9	7	0	7	13	20	0
PERTH. HENRY COATES, F.R.S.E., The Museum.	62	20·935	30·003	inch.	61·6	44·9	53·3	0·0	°	72	7th	32	20th	52·0	1·8	°	inch.	·340	87	9	1·40	-1·05	6	3	0	8	18	19	3	3	0
Means	170	29·815	30·001	inch.	60·1	47·5	53·8	0·0	°	71	..	35	..	52·9	2·2	°	inch.	·341	85	12	1·40	-1·41	3	4	6	6	5	11	13	9	3

North Latitude.—Glasgow, 55° 51'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 55° 51'; Leith, 55° 58'; Greenock, 55° 57'; Perth, 56° 23'; Mean, 56° 11'.  
West Longitude.—Glasgow, 4° 13'; Edinburgh, 3° 11'; Dundee, 2° 57'; Aberdeen, 2° 7'; Paisley, 4° 27'; Leith, 3° 8'; Greenock, 4° 46'; Perth, 3° 25'; Mean, 3° 32'.

\* At King's College, at 7 A.M. and 6 P.M. † At 9 A.M. only.



# MONTHLY RETURN

OF THE

# BIRTHS, DEATHS, AND MARRIAGES

IN SIXTEEN OF THE PRINCIPAL TOWNS OF  
SCOTLAND.

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OCTOBER 1916.

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## REPORT.

During the month of October 1916 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1911 Census had populations of more than 30,000, the births of 4604 living children, of whom 2397 were male and 2207 female. The male children of the month are 222 more than in the previous month, and 188 more than in October of last year. The female children of the month are 155 more than those of the previous month, and 65 more than those of October of last year. The total children of the month are 377 more than those of the previous month, 69 more than the mean of the numbers of the three preceding months, and 253 more than those of October of last year. The monthly birth-rate was 22·9 per thousand. It is 1·2 more than that of the previous month, 0·1 more than the mean of those of the three preceding months, and 1·0 more than that of October of last year. In the individual towns the monthly birth-rate ranged from 32·5 in Motherwell, 28·4 in Hamilton, 27·7 in Coatbridge, and 26·4 in Clydebank, to 14·1 in Ayr, 17·5 in Perth, and 19·3 in Dundee and in Edinburgh. In Greenock this rate was 25·8; in Kilmarnock, 25·7; in Glasgow, 24·0; in Aberdeen, 23·5; in Falkirk, 22·9; in Paisley, 22·2; in Leith, 22·0; and in Kirkcaldy, 21·6.

Of the 4604 children whose births were registered during the month, 4219, or 91·6 per cent., were legitimate, while 385, or 8·4 per cent., were illegitimate. The illegitimate children number 82 more than in the previous month, 50 more than the mean of the numbers of the three preceding months, and 104 more than in October of last year. The illegitimate rate of the month is 1·2 more than that of the previous month, 1·0 more than the mean of those of the three preceding months, and 1·9 more than that of October of last year. In the individual towns this rate varied from 14·8 per cent. in Perth, 12·5 in Ayr, and 12·3 in Edinburgh, to 4·1 in Paisley, 4·3 in Motherwell, and 4·5 in Falkirk. In Dundee this rate was 11·2; in Aberdeen, 10·0; in Hamilton, 9·6; in Coatbridge, 9·3; in Kirkcaldy, 9·3; in Glasgow, 7·6; in Leith, 7·2; in Clydebank, 6·9; in Kilmarnock, 4·9; and in Greenock, 4·7.

Marriages registered in these towns during the month numbered 1414. They

are 38 more than registered in September, but are 218 less than the mean of the numbers registered in July, August and September, and 185 less than that registered in October of last year. The monthly marriage-rate was 7·0. It is 0·1 less than that of the previous month, 1·2 less than the mean of those of the three preceding months, and 1·1 less than that of October of last year.

Deaths registered in these towns during the month numbered 2843, 1472 being of males, and 1371 of females. These deaths include those of 261 persons whose usual residence was outwith the town of registration, but exclude those of 158 persons who, though dying elsewhere in Scotland, had usual residence in one or other of these towns, and the difference, 103, falls to be deducted to get the corrected number, which is thus found to be 2740. The corrected number of deaths of the month is 121 more than that of the previous month, and 253 more than the mean of those of the three preceding months, but is 301 less than in October of last year.

The death-rate of the month, corrected, was 13·6. It is 0·1 more than that of September, and 1·1 more than the mean of those of the three preceding months, but is 1·7 less than that of October of last year. In the individual towns this rate ranged from 16·7 in Dundee, 16·5 in Kilmarnock, 15·4 in Aberdeen, and 15·3 in Greenock, to 8·5 in Clydebank, and 9·5 in Kirkcaldy and in Ayr. In Glasgow this rate was 13·8; in Paisley, 13·8; in Edinburgh, 13·6; in Coatbridge, 13·0; in Motherwell, 11·8; in Perth, 11·0; in Falkirk, 10·7; in Leith, 10·6; and in Hamilton, 10·3.

Deaths of children of less than one year old numbered 533. They are 36 fewer than in the previous month, and 159 fewer than in October of last year, but are 83 more than the mean of the numbers of the three preceding months. They are equal to an infantile mortality rate of 113 per thousand of the average number of births registered monthly during the preceding twelve months. This rate is 12 less than that of the previous month, and 27 less than that of October of last year, but is 16 more than the mean of those of the three preceding months. In the towns taken individually this rate varied from 184 in Greenock, 182 in Dundee, and 139 in Coatbridge, to 31 in Falkirk, 32 in Ayr, and 36 in Perth. In Glasgow this rate was 113; in Edinburgh, 110; and in Aberdeen, 96.

Deaths from the principal epidemic diseases numbered 290, and included 14 from enteric fever, 49 from measles, 26 from scarlet fever, 13 from whooping-cough, 33 from diphtheria, and 155 from the diarrhoeas of childhood. These deaths collectively are 70 fewer than in the previous month, and 92 fewer than in the corresponding month of last year, but are 23 more than the mean of the numbers of the three preceding months. The monthly death-rate from these causes was 1·4 per thousand. It is 0·5 less than in the previous month and than in October of last year, but is the same as the mean of those of the three preceding months. In the individual towns this rate ranged from 4·4 in Kilmarnock, and 3·5 in Dundee, to 0 in Kirkcaldy, Falkirk and Ayr. In Coatbridge this rate was 1·8; in Paisley, 1·7; in Motherwell, 1·7; in Glasgow, 1·4; in Aberdeen, 1·3; in Hamilton, 1·2; in Greenock, 1·1; in Edinburgh, 0·9; in Clydebank, 0·8; in Leith, 0·6; and in Perth, 0·6.

Deaths from pneumonia numbered 203, and from bronchitis, 169. The former are 90, and the latter 50 more than in the previous month.

Deaths from all forms of tuberculous disease numbered 299, 204 of them being attributed to phthisis. The total deaths from tuberculous disease are of the same number as in the previous month, but 12 fewer than in October of last year. The deaths from phthisis are 18 more than in the previous month, but 5 fewer than in October of last year.



METEOROLOGICAL NOTES for Eight of the Principal Towns,  
by A. WATT, M.A., F.R.S.E., Secretary to the Scottish  
Meteorological Society.

OCTOBER 1916.

Mean barometric pressure, 29·633 in.; less than the average of 1876–1910 by 0·207 in.

Mean temperature, 47°·9; greater by 0°·5.

Mean daily range of temperature, 11°·0; less by 0°·8.

Rain, number of days, 23; greater by 5 days.

Rain, depth in inches, 6·13; greater by 2·76 in.

Wind, direction of: an 8 days' excess of winds from between S.E. and S.W.

Hence the month was characterised by an abnormally low mean pressure; a slightly high mean temperature, with a slightly low mean daily range; an abnormally high mean rainfall; and a very large excess of winds from between S.E. and S.W.

The mean pressure was 29·633 in., or 0·207 in. below the normal. There were some considerable fluctuations of pressure, and on 14th, when a very deep depression moved on a north-westerly track off the north of Scotland, there was in northern districts a fall of fully 1 in. followed by an equally rapid recovery. At Leith, at sea-level, pressure reached 30 in. only on 1st and 2nd, on 13th, on 16th, and from 19th to 21st, the extremes there being 30·24 in. on 20th and 28·74 in. on evening of 30th.

The nights of 2nd and 3rd were cold, but the first two weeks were in general mild, and during the second week the nights were especially mild. On 15th colder conditions set in, with readings on 17th as low as 17° at Braemar and 18° at West Linton and Balmoral, and in various districts the mean temperature of the third week, and also that of the fourth, was about 10° lower than that of the second. As regards the chief towns, the mean temperature was 47°·9, or 0°·5 above the normal; the days were 0°·1 and the nights 0°·9 above their respective averages; and the extremes were 69° at Aberdeen on 12th and 21° at Perth on 17th.

The period from 3rd or 4th to 14th was very wet in all districts, with some abnormally heavy falls towards the north-west. Fort William had as much as 4·50 in. on 11th, 3·43 in. on 14th, and a total for the week ending 14th of nearly 12 in.; whilst Glenquoich had as much as 5·82 in. on 11th, 3·42 in. on 14th, and a total for the week of fully 16 in. Between 16th and 26th conditions were less unsettled with a few fine days, but from 27th onwards the weather was again of a very disturbed type. In all districts the month's aggregates were above the normal; in most the excess was large; and in not a few amounts were considerably more than twice the average. At Fort William the month with a total of 16·20 in. was decidedly the wettest October on record; but at Glenquoich (21·69 in.), October 1890 was slightly wetter. As regards the chief towns the mean rainfall of 6·13 in., or 82 per cent. above the normal, has been exceeded in October only in 1907 (6·25), 1903 (6·85 in.), and 1862 (8·58 in.); the excess ranged from 22 per cent. at Aberdeen to 107 per cent. at Paisley.

A great deal of squally and stormy weather occurred, especially from 10th to 15th and from 25th onwards. Between 12th and 14th there was extensive flooding in various districts, with interruptions to traffic on the West Highland Railway owing to "wash-outs."

A thunderstorm occurred at points in western and southern districts on 7th or 10th. Sunshine aggregates were below the normal, and much fog or mist occurred.

NOTE.—For meteorological table see p. 96.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES  
in the Principal Towns, OCTOBER 1916.

TOWNS.	POPULATION.		BIRTHS.					MARRIAGES.	DEATHS.					
	Census. 1911.	Estimated to middle of 1916.	Males.	Females.	Total.	Legiti- mate.	Illegiti- mate.		Males.	Females.	Total.	Out.	In.	Total Corrected.
GLASGOW, . . .	1,008,487	1,091,600	1152	1063	2215	2046	169	706	712	619	1331	114	57	1274
EDINBURGH, . .	320,769	329,200	284	253	537	471	66	247	213	206	419	74	33	378
DUNDEE, . . .	176,085	180,300	152	142	294	261	33	93	125	138	263	13	5	255
ABERDEEN, . .	163,891	165,600	162	167	329	296	33	89	100	128	228	19	7	216
PAISLEY, . . .	84,455	90,800	91	80	171	164	7	41	55	54	109	7	4	106
LEITH, . . . .	80,601	82,100	77	76	153	142	11	47	26	32	58	4	20	74
GREENOCK, . .	75,140	77,700	93	77	170	162	8	46	53	48	101	3	3	101
PERTH, . . . .	35,854	36,400	29	25	54	46	8	27	21	21	42	8	0	34
TOTAL . . . . (EIGHT TOWNS)	1,945,282	2,053,700	2040	1883	3923	3588	335	1296	1305	1246	2551	242	129	2438
COATBRIDGE, . .	43,290	45,600	56	51	107	97	10	14	24	24	48	1	3	50
MOTHERWELL . .	40,380	42,100	65	51	116	111	5	11	21	16	37	0	5	42
KIRKCALDY . . .	39,601	40,900	33	42	75	68	7	18	20	12	32	2	3	33
HAMILTON, . . .	38,644	39,100	45	49	94	85	9	13	18	10	28	3	9	34
CLYDEBANK, . .	37,548	45,700	62	40	102	95	7	13	15	17	32	1	2	33
KILMARNOCK, . .	34,728	37,300	46	35	81	77	4	13	29	22	51	3	4	52
FALKIRK, . . . .	33,574	34,100	32	34	66	63	3	15	17	12	29	1	3	31
AYR, . . . . .	32,986	33,500	18	22	40	35	5	21	23	12	35	8	0	27
TOTAL . . . . (SIXTEEN TOWNS)	2,246,033	2,372,000	2397	2207	4604	4219	385	1414	1472	1371	2843	261	158	2740

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES  
in the Principal Towns, OCTOBER 1916.

TOWNS.	Birth- Rate per 1000 of Popu- lation.	Illegiti- mate Birth- Rate per 100 Births.	Marriage- Rate per 1000 of Popu- lation.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		Principal Epidemic Diseases.	Tuber- culosis.	Phthisis.	All Re- spiratory Diseases.	Number.	* Rate per 1000 Births.
				Uncor- rected.	Cor- rected.						
GLASGOW, . . .	24·0	7·6	7·6	14·4	13·8	1·4	1·8	1·3	2·2	266	113
EDINBURGH, . .	19·3	12·3	8·9	15·0	13·6	0·9	1·0	0·6	2·0	56	110
DUNDEE, . . .	19·3	11·2	6·1	17·2	16·7	3·5	1·6	1·0	1·6	58	182
ABERDEEN, . .	23·5	10·0	6·3	16·3	15·4	1·3	1·6	1·1	2·9	30	96
PAISLEY, . . .	22·2	4·1	5·3	14·2	13·8	1·7	1·7	1·0	2·1	19	114
LEITH, . . . .	22·0	7·2	6·8	8·3	10·6	0·6	0·6	0·3	1·7	11	70
GREENOCK, . .	25·8	4·7	7·0	15·3	15·3	1·1	1·1	0·8	2·0	35	184
PERTH, . . . .	17·5	14·8	8·8	13·6	11·0	0·6	1·6	1·0	1·3	2	36
TOTAL . . . . (EIGHT TOWNS)	22·6	8·5	7·5	14·7	14·0	1·5	1·5	1·1	2·1	477	118
COATBRIDGE, . .	27·7	9·3	3·6	12·4	13·0	1·8	1·0	1·0	2·1	14	139
MOTHERWELL, . .	32·5	4·3	3·1	10·4	11·8	1·7	0·6	0·0	1·4	13	120
KIRKCALDY, . .	21·6	9·3	5·2	9·2	9·5	0·0	1·2	0·9	1·4	3	44
HAMILTON, . . .	28·4	9·6	3·9	8·5	10·3	1·2	0·6	0·0	2·4	5	56
CLYDEBANK, . .	26·4	6·9	3·4	8·3	8·5	0·8	1·0	0·5	0·0	9	83
KILMARNOCK, . .	25·7	4·9	4·1	16·2	16·5	4·4	2·5	1·6	1·6	8	107
FALKIRK, . . . .	22·9	4·5	5·2	10·1	10·7	0·0	1·7	0·7	1·4	2	31
AYR, . . . . .	14·1	12·5	7·4	12·3	9·5	0·0	1·4	1·1	1·4	2	32
TOTAL . . . . (SIXTEEN TOWNS)	22·9	8·4	7·0	14·2	13·6	1·4	1·5	1·0	2·1	533	113

\* Based on the average number of births registered monthly during the past 12 months.



TABLE III.—BIRTH-RATE, DEATH-RATE, ETC., FOR OCTOBER 1916, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM							* Infantile Mortality Rate.	Mean Temperature. (Eight Towns only.)
					Enteric Fever.	Smallpox.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria and Croup.	Diarrhoea (Under 2 Years).		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(18)	(14)
OCT. 1916, .	22.9	8.4	7.0	13.6	14	0	49	26	13	33	155	113	47°·9
OCT. 1915, .	21.9	6.5	8.1	15.3	10	0	67	74	12	47	172	140	46°·9
OCT. 1914, .	26.8	7.1	6.9	14.9	22	0	7	63	45	75	171	123	49°·3
OCT. 1913, .	26.5	6.9	7.2	14.4	14	0	63	47	17	53	151	117	50°·3
OCT. 1912, .	27.2	6.3	7.3	14.6	5	5	3	21	38	48	79	110	46°·6
OCT. 1911, .	24.6	8.2	7.7	16.2	5	0	36	32	21	41	109	132	46°·0
OCT. 1910, .	25.0	7.6	7.3	14.5	9	0	5	21	29	57	104	115	50°·1
OCT. 1909, .	25.2	6.9	6.2	13.4	8	0	25	24	13	41	68	97	48°·1
OCT. 1908, .	27.4	7.3	6.4	15.0	6	0	6	16	58	36	-	123	53°·1
OCT. 1907, .	29.3	7.0	8.0	15.7	10	0	60	9	60	23	-	113	47°·9
OCT. 1906, .	29.6	7.6	8.3	18.3	20	0	18	15	52	32	-	151	48°·9

For all years up to and including 1911, figures are for Eight only of the Principal Towns.  
Figures in Columns 5-13 have, for 1913 and subsequent years, been corrected for non-resident deaths  
\* Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—October 1916.

CAUSES OF DEATH.	All Ages.	Age.										
		-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-
Enteric Fever - - - - -	14	-	-	2	2	4	2	1	3	-	-	-
Typhus Fever - - - - -	2	-	-	-	1	-	-	-	1	-	-	-
Small-pox - - - - -	-	-	-	-	-	-	-	-	-	-	-	-
Measles - - - - -	49	7	42	-	-	-	-	-	-	-	-	-
Scarlet Fever - - - - -	26	-	14	8	3	-	1	-	-	-	-	-
Whooping-cough - - - - -	13	5	8	-	-	-	-	-	-	-	-	-
Diphtheria and Croup - - - - -	33	4	22	6	1	-	-	-	-	-	-	-
Influenza - - - - -	5	1	-	-	-	-	-	-	-	2	1	1
Erysipelas - - - - -	5	1	-	-	-	-	-	1	-	2	1	-
Phthisis, Pulmonary Tuberculosis - - - - -	204	4	3	4	12	44	47	36	32	17	4	1
Tuberculous Meningitis - - - - -	35	6	19	7	1	-	1	1	-	-	-	-
Abdominal Tuberculosis - - - - -	38	6	13	5	5	3	1	2	3	-	-	-
Other Tuberculous Diseases - - - - -	22	-	5	4	1	5	1	4	-	-	2	-
Cancer, Malignant Disease - - - - -	233	-	-	1	1	2	9	21	57	67	50	25
Rheumatic Fever - - - - -	12	-	-	-	3	3	1	1	1	2	1	-
Meningitis - - - - -	32	12	13	1	3	1	-	2	-	-	-	-
Organic Heart Disease - - - - -	259	-	2	2	5	15	14	26	34	63	56	42
Bronchitis - - - - -	169	29	11	-	-	1	1	6	13	28	39	41
Pneumonia (all forms) - - - - -	203	46	36	2	4	9	12	9	16	27	27	15
Other Diseases of Respiratory Organs - - - - -	40	8	7	3	-	2	2	2	8	1	3	4
Diarrhoea and Enteritis (under 2 years) - - - - -	155	119	36	-	-	-	-	-	-	-	-	-
Appendicitis and Typhlitis - - - - -	13	-	1	4	1	1	-	1	2	2	-	1
All Liver Diseases (not Malignant) - - - - -	10	-	-	-	-	-	1	1	2	3	1	2
Other Diseases of Digestive System - - - - -	95	16	12	7	3	3	4	6	12	14	7	11
Nephritis and Bright's Disease - - - - -	97	3	2	4	3	1	7	9	15	21	23	9
Puerperal Sepsis - - - - -	5	-	-	-	-	2	3	-	-	-	-	-
Other Diseases & Accidents of Pregnancy & Parturition - - - - -	16	-	-	-	-	4	5	7	-	-	-	-
Congenital Debility and Malformation, including Pre-mature Birth - - - - -	193	192	1	-	-	-	-	-	-	-	-	-
Violent Deaths, excluding Suicide - - - - -	111	7	10	5	6	3	9	15	10	20	13	13
Suicide - - - - -	8	-	-	-	-	3	-	1	3	-	1	-
Other Defined Diseases - - - - -	601	63	14	4	7	19	13	32	61	82	133	173
Diseases Ill-defined or Unknown - - - - -	42	4	4	1	-	1	2	6	5	8	6	5
All Causes - - - - -	2740	533	275	70	62	126	136	190	278	359	368	343

## DEATHS IN EACH TOWN (corrected for Transfers)—October 1916.

CAUSES OF DEATH.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Leith.	Greenock.	Perth.
Enteric Fever ... ..	4	2	...	...	1	...	1	...
Typhus Fever ... ..	1	...	1	...	...	...	...	...
Small-pox ... ..	...	...	...	...	...	...	...	...
Measles ... ..	11	3	34	...	...	1	...	...
Scarlet Fever ... ..	11	2	...	4	3	1	...	...
Whooping-cough ... ..	3	1	1	3	2	1	...	...
Diphtheria and Croup ... ..	13	5	4	4	1	...	1	2
Influenza ... ..	...	1	...	3	...	...	1	...
Erysipelas ... ..	2	...	1	...	...	1	...	...
Phthisis, Pulmonary Tuberculosis ...	118	18	16	15	8	2	5	3
Tuberculous Meningitis ... ..	17	3	...	2	3	2	2	1
Abdominal Tuberculosis ... ..	16	5	6	4	...	...	...	1
Other Tuberculous Diseases ... ..	11	3	2	1	2	...	...	...
Cancer, Malignant Disease ... ..	93	39	22	23	10	4	11	7
Rheumatic Fever ... ..	5	1	1	...	1	1	...	...
Meningitis ... ..	10	6	1	3	2	2	4	1
Organic Heart Disease ... ..	102	47	20	24	9	9	10	8
Bronchitis ... ..	78	16	12	18	13	3	8	1
Pneumonia (all forms) ... ..	105	32	12	20	3	9	5	3
Other Diseases of Respiratory Organs	24	8	1	2	...	...	...	...
Diarrhoea and Enteritis (under 2 years)	91	12	15	7	6	1	5	...
Appendicitis and Typhlitis ... ..	8	1	...	2	...	...	1	...
All Liver Diseases (not Malignant) ...	6	3	...	...	...	...	...	...
Other Diseases of Digestive System ...	50	11	8	7	7	1	3	...
Nephritis and Bright's Disease ... ..	52	12	3	7	2	2	3	...
Puerperal Sepsis ... ..	2	...	1	...	...	...	1	...
Other Diseases and Accidents of Preg- nancy and Parturition ... ..	9	1	...	2	...	2	...	...
Congenital Debility and Malformation, including Premature Birth ... ..	85	25	20	11	6	4	13	2
Violent Deaths, excluding Suicide ...	57	16	5	4	4	3	9	...
Suicide ... ..	3	2	1	...	...	...	1	...
Other Defined Diseases ... ..	257	101	64	50	23	24	17	4
Diseases Ill-defined or Unknown ... ..	30	2	4	...	...	1	...	1
All Causes ... ..	1274	378	255	216	106	74	101	34
AGE AT DEATH.								
Under 1 ... ..	266	56	58	30	19	11	35	2
1-4 ... ..	124	25	45	24	11	9	7	4
5-9 ... ..	30	9	4	7	5	3	2	...
10-14 ... ..	37	4	5	1	3	1	3	1
15-24 ... ..	60	12	8	12	6	4	4	1
25-34 ... ..	71	8	12	12	2	4	3	3
35-44 ... ..	90	25	14	11	10	8	7	2
45-54 ... ..	127	47	29	22	11	4	7	4
55-64 ... ..	177	49	24	29	16	9	10	4
65-74 ... ..	164	73	25	27	13	13	15	3
75 and over ... ..	128	70	31	41	10	8	8	10
All Ages ... ..	1274	378	255	216	106	74	101	34



## DEATHS IN EACH TOWN (corrected for Transfers)—October 1916—continued.

CAUSES OF DEATH.	Coatbridge.	Motherwell.	Kirkcaldy.	Hamilton.	Clydebank.	Kilmarnock.	Falkirk.	Ayr.
Enteric Fever ... ..	...	...	...	...	...	6	...	...
Typhus Fever ... ..	...	...	...	...	...	...	...	...
Small-pox ... ..	...	...	...	...	...	...	...	...
Measles ... ..	...	...	...	...	...	...	...	...
Scarlet Fever ... ..	1	1	...	1	...	2	...	...
Whooping-cough ... ..	2	...	...	...	...	...	...	...
Diphtheria and Croup ... ..	...	...	...	2	...	1	...	...
Influenza ... ..	...	...	...	...	...	...	...	...
Erysipelas ... ..	...	...	...	...	...	...	...	1
Phthisis, Pulmonary Tuberculosis ... ..	4	...	3	...	2	5	2	3
Tuberculous Meningitis ... ..	...	1	...	1	1	1	1	...
Abdominal Tuberculosis ... ..	...	1	...	...	1	2	1	1
Other Tuberculous Diseases ... ..	...	...	1	1	...	...	1	...
Cancer, Malignant Disease ... ..	2	1	5	3	4	...	2	7
Rheumatic Fever ... ..	...	...	1	...	1	...	1	...
Meningitis ... ..	1	1	...	...	...	...	...	1
Organic Heart Disease ... ..	2	5	8	1	5	3	4	2
Bronchitis ... ..	6	3	2	2	...	2	2	3
Pneumonia (all forms) ... ..	2	...	3	6	...	1	1	1
Other Diseases of Respiratory Organs ... ..	...	2	...	...	...	2	1	...
Diarrhoea and Enteritis (under 2 years) ... ..	4	5	...	1	3	5	...	...
Appendicitis and Typhlitis ... ..	1	...	...	...	...	...	...	...
All Liver Diseases (not Malignant) ... ..	...	1	...	...	...	...	...	...
Other Diseases of Digestive System ... ..	2	1	1	1	1	...	2	...
Nephritis and Bright's Disease ... ..	2	3	...	4	...	3	2	2
Puerperal Sepais ... ..	...	...	...	...	...	1	...	...
Other Diseases and Accidents of Pregnancy and Parturition ... ..	...	...	...	...	1	...	1	...
Congenital Debility and Malformation, including Premature Birth ... ..	7	7	3	2	4	2	1	1
Violent Deaths, excluding Suicide ... ..	2	3	...	2	...	2	2	2
Suicide ... ..	...	...	...	1	...	...	...	...
Other Defined Diseases ... ..	12	7	6	6	9	12	6	3
Diseases Ill-defined or Unknown ... ..	...	...	...	...	1	2	1	...
All Causes ... ..	50	42	33	34	33	52	31	27
AGE AT DEATH.								
Under 1 <sup>st</sup> ... ..	14	13	3	5	9	8	2	2
1-4 ... ..	6	5	1	5	...	4	2	3
5-9 ... ..	1	2	...	1	1	4	...	1
10-14 ... ..	1	1	1	1	2	1	...	...
15-24 ... ..	3	2	4	...	3	5	2	...
25-34 ... ..	4	2	1	1	2	6	2	3
35-44 ... ..	3	2	3	4	3	3	3	2
45-54 ... ..	8	2	1	1	4	4	5	2
55-64 ... ..	5	5	5	5	4	5	4	8
65-74 ... ..	4	3	7	6	...	6	7	2
75 and over ... ..	1	5	7	5	5	6	4	4
All Ages ... ..	50	42	33	34	33	52	31	27

# ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, LEITH, GREENOCK, and PERTH,

During the Month of OCTOBER 1916.

OBSERVERS.	Height of Station above Sea-level.	BARO- METER.		AIR TEMPERATURE.							HYGROMETER.		RAIN, AND OTHER FORMS OF PRE- CIPITATION.		WIND DIRECTIONS.														
		Mean at Station and 32°.	Mean at Sea-Level and 32°.	Mean of	Absolute Maximum and Minimum.				Difference from Average	Mean of A and B (Mean Tem- perature).	Maximum (A).	Minimum (B.)	Dry Bulb. °	Depression of Wet Bulb. °	Vapour Pressure. inch.	Humidity. per cent.	Number of Days.	Total Fall. inch.	Difference from Average.	Number of Observations at 9 A.M. and 9 P.M.									
					Maximum	Day of Month.	Minimum.	Day of Month.												N	NE	E	SE	S	SW	W	NW	Calm or Variable.	
GLASGOW, The Observatory.	154	29.430	29.633	52.4	43.9	48.2	+0.8	61	6.14	33	17th	47.8	2.1	.281	85	24	7.17	+3.59	1	9	16	3	3	17	12	1	0		
EDINBURGH, Professor R. A. SAMPSON, F.R.S.	441	29.156	29.636	52.8	42.7	47.8	+0.6	64	6th	30	22nd	47.6	2.3	.275	84	22	4.54	+1.95	2	6	1	7	11	16	11	3	5		
DUNDEE, ALEX. MACRAE, Curator of Cemeteries.	164	29.446	29.627	53.3	41.3	47.3	+0.5	65	12th	25	17th	46.1	1.3	.282	91	23	4.53	+1.84	0	2	0	22	0	31	3	4	0		
ABERDEEN,* The Meteorological Office.	90	29.509	29.610	54.5	41.7	48.1	+0.9	69	12th	28	17th	47.4	1.9	.282	87	20	3.63	+0.64	0	0	3	8	19	14	8	2			
PAISLEY, The Coats Observatory.	107	29.520	29.639	53.6	43.4	48.5	+0.1	61	6, 8, 14	31	17th	48.1	2.0	.286	86	25	8.19	+4.24	1	0	8	11	5	11	10	6	10		
LEITH,† JAMES BOLAM, Navigation School.	76	29.563	29.647	53.7	42.6	48.2	-0.3	63	14th	29	17th	49.4	1.8	.307	88	21	4.25	+1.66	0	4	8	6	8	16	16	2	2		
GREENOCK, DANIEL MACALISTER, C.E., Greenock Waterworks.	233	29.374	29.638	52.6	43.6	48.1	+0.6	60	5, 11, 14	34	17th	48.2	1.9	.290	87	25	9.90	+4.34	0	4	12	14	0	9	19	4	0		
PERTH, HENRY COATES, F.R.S.E., The Museum.	62	29.562	29.631	54.0	39.9	47.0	+0.6	64	12th	21	17th	46.3	1.5	.279	90	23	6.81	+3.78	1	1	1	17	16	21	4	1	0		
Means	170	29.445	29.633	53.4	42.4	47.9	+0.5	..	..	..	..	47.6	1.9	.285	87	23	6.13	+2.76	1	3	6	11	8	17	10	4	2		

North Latitude.—Glasgow, 55° 54'; Edinburgh, 55° 55'; Dundee, 56° 28'; Paisley, 55° 51'; Leith, 55° 48'; Greenock, 55° 23'; Perth, 56° 11'.  
West Longitude.—Glasgow, 4° 18'; Edinburgh, 3° 11'; Dundee, 2° 57'; Paisley, 4° 27'; Leith, 3° 8'; Greenock, 4° 46'; Perth, 3° 25'; Paisley, 3° 32'.

\* At King's College, at 7 A.M. and 6 P.M.

† At 9 A.M. only.



MONTHLY RETURN  
OF THE  
BIRTHS, DEATHS, AND MARRIAGES  
IN SIXTEEN OF THE PRINCIPAL TOWNS OF  
SCOTLAND.

---

NOVEMBER 1916.

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REPORT.

During the month of November 1916 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1911 Census had populations of over 30,000, the births of 4114 living children, of whom 2120 were male and 1994 were female. The male children of the month are 277 fewer than those of the previous month, but 24 more than those of November of last year. The female children are 213 fewer than those of the previous month, and 46 fewer than those of November of last year. The total children registered during the month number 490 less than in the previous month, 370 less than the mean of the numbers of the three preceding months, and 22 less than in November of last year. The equivalent annual birth-rate is 21·2 per thousand of the estimated aggregate population of these towns. This rate is 1·7 less than that of October, 1·3 less than the mean of those of August, September and October, and 0·3 less than that of November of last year. In the towns taken individually the monthly birth-rate varied from 29·0 in Hamilton, 28·2 in Greenock, and 26·3 in Coatbridge, to 14·4 in Perth, 15·3 in Ayr, and 15·9 in Edinburgh. In Motherwell this rate was 25·5; in Clydebank, 25·4; in Kilmarnock, 24·5; in Glasgow, 22·6; in Kirkcaldy, 22·1; in Leith, 21·5; in Falkirk, 21·1; in Dundee, 20·2; in Aberdeen, 18·2; and in Paisley, 17·1.

Of the 4114 children whose births were registered, 3813, or 92·7 per cent., were legitimate, while 301, or 7·3 per cent., were illegitimate. The illegitimate children are 84 less than in the previous month, and 49 less than the mean of the numbers of the three preceding months, but are 28 more than in November of last year. The illegitimate rate of the month is 1·1 less than that of the previous month, and 0·5 less than the mean of those of the three preceding months, but is 0·7 more than that of November of last year. In the towns taken individually this rate ranged from 18·6 per cent. in Perth, 11·3 in Aberdeen, and 11·2 in Edinburgh, to 2·2 in Hamilton, and 2·8 in Greenock. In Ayr this rate was 9·5; in Falkirk, 8·5; in Dundee, 8·4; in Kirkcaldy, 8·1; in Paisley, 7·1; in Glasgow, 6·9; in Leith, 4·8; in Motherwell, 4·5; in Clydebank, 4·2; in Coatbridge, 4·1; and in Kilmarnock, 4·0.

Marriages registered during the month numbered 1257. This number is 157 less than that of the previous month, 198 less than the mean of those of the

three preceding months, and 847 less than that of November of last year. The equivalent annual marriage-rate is 6·5 per thousand. It is 0·5 less than that of the previous month, 0·8 less than the mean of those of the three preceding months, and 4·4 less than that of November of last year. In the towns taken individually the monthly marriage-rate varied from 9·1 in Edinburgh, 7·7 in Aberdeen, 6·8 in Glasgow, 6·4 in Leith, and 6·0 in Perth, to 1·6 in Hamilton, 3·2 in Motherwell, 3·5 in Coatbridge and in Clydebank, and 3·6 in Kirkcaldy. In Greenock this rate was 5·2; in Paisley, 5·1; in Dundee, 4·9; in Kilmarnock, 4·9; in Falkirk, 4·3; and in Ayr, 4·0.

Deaths registered in these towns numbered 2876, 1491 being of males, and 1385 of females. These deaths include those of 250 persons with usual residence out-with the towns of registration, but exclude those of 176 persons who, though dying elsewhere in Scotland, had usual residence in one or other of these towns, and the difference, 74, falls to be deducted to get the corrected number of the month, which is thus found to be 2802. This number is 62 more than that of the previous month, and 197 more than the mean of those of the three preceding months, but is 957 less than that of November of last year.

The death-rate of the month, corrected, is 14·4 per thousand. It is 0·8 more than that of the previous month, and 1·3 more than the mean of those of the three preceding months, but is 5·1 less than that of November of last year. In the towns taken individually this rate varied from 18·7 in Dundee, 16·6 in Greenock, and 15·6 in Hamilton, to 9·4 in Clydebank, 9·6 in Motherwell, and 11·3 in Ayr. In Glasgow this rate was 14·7; in Leith, 14·7; in Coatbridge, 14·5; in Kilmarnock, 14·4; in Aberdeen, 14·3; in Falkirk, 13·6; in Edinburgh, 13·3; in Perth, 12·7; in Kirkcaldy, 11·9; and in Paisley, 11·8.

Deaths of children of less than one year old numbered 490. They are 43 fewer than in the previous month, 26 less than the mean of the numbers of the three preceding months, and 169 fewer than in November of last year. They are equal to an infantile mortality rate of 107 per thousand of the average number of births registered monthly during the preceding twelve months. This rate is 6 less than that of the previous month, 4 less than the mean of those of the three preceding months, and 32 less than that of November of last year. In the towns taken individually this rate varied from 203 in Dundee, 159 in Hamilton, 144 in Leith, and 121 in Coatbridge, to 19 in Perth, 41 in Kilmarnock, 48 in Falkirk, and 61 in Kirkcaldy. In Glasgow this rate was 104; in Aberdeen, 100; and in Edinburgh, 87.

Deaths from the principal epidemic diseases numbered 211, and included 10 from enteric fever, 58 from measles, 16 from scarlet fever, 18 from whooping-cough, 36 from diphtheria, and 73 from the diarrhoeas of childhood. These deaths collectively are 79 less than in the previous month, 90 less than the mean of the numbers of the three preceding months, and 125 less than in November of last year. The monthly death-rate from these causes was 1·1 per thousand. It is 0·3 less than that of the previous month, 0·4 less than the mean of those of the three preceding months, and 0·6 less than that of November of last year. In the individual towns this rate varied from 3·6 in Dundee, where deaths from measles were relatively numerous, 1·9 in Hamilton, 1·6 in Greenock, and 1·3 in Coatbridge and in Kilmarnock, to 0 in Falkirk, 0·4 in Leith, 0·5 in Clydebank, and 0·6 in Motherwell and in Kirkcaldy. This rate in Edinburgh, in Glasgow, and in Aberdeen was 0·9.

Deaths from pneumonia numbered 262, and from bronchitis, 223. The former are 59, and the latter 54 more than in October.

Deaths from all forms of tuberculous disease numbered 290, 185 of them



being attributed to phthisis. The total deaths from tuberculous diseases are 9 fewer than in the previous month, and 92 fewer than in November of last year. The deaths from phthisis are 19 less than in the previous month, and 91 less than in November of last year.

## METEOROLOGICAL NOTES for Eight of the Principal Towns, by A. WATT, M.A., F.R.S.E., Secretary to the Scottish Meteorological Society.

### NOVEMBER 1916.

Mean barometric pressure, 29·574 in.; less than the average of 1876–1910 by 0·257 in.

Mean temperature, 44°·5; greater by 2°·3.

Mean daily range of temperature, 8°·4; less by 1°·4.

Rain, number of days, 20; greater by 3 days.

Rain, depth in inches, 4·13; greater by 0·79 in.

Wind, direction of: a 6 days' excess of winds from S. and S.W.

Hence the month was characterised by an abnormally low mean pressure; a high mean temperature, with a low mean daily range; a somewhat high mean rainfall; and a considerable excess of winds from south and south-west.

The mean pressure of 29·574 in., or 0·257 in. below the normal, was the lowest mean for November since 1882. The most rapid fluctuations of the barometer occurred around 3rd, 18th, and 25th; at Leith, at sea-level, pressure was above 30 in. from 11th to 16th, and on 27th and 28th, and below 29 in. from 4th to 8th, and the extremes at Leith were 30·41 in. on morning of 14th and 28·60 in. on evening of 5th.

The month was in general unusually mild, especially as regards the nights; but there was a brief incursion of cold around 18th with easterly winds, and again on 27th and 28th with winds from north-west. The mildest period was from 10th to 13th, with a reading as high as 63° at Gordon Castle on 11th, whilst on 18th temperature at Leadhills fell to 20°. As regards the chief towns, the mean temperature was 44°·5, or 2°·3 above the normal; the days were 1°·6 and the nights 3°·0 above their respective averages; and the extremes were 59° at Aberdeen on 11th, at Dundee on 14th, and at Perth on 11th, 12th and 13th, and 31° at Perth on 16th and at Dundee on 27th.

During the first week there were some considerable rainfalls in nearly all districts, and in west and north-west unsettled conditions continued until 11th; on 18th and 19th some heavy falls occurred in eastern and inland districts: whilst on 23rd and 24th and around 28th moderate to heavy falls were more or less general. Amounts of 2 in. or more occurred in Central Perthshire on 3rd; at Glenquoich on 10th and 23rd; and at Lednathie on 19th. In the north, at Glasgow, and towards the extreme south-west the month's aggregates were below the normal, but in general there was a well-defined excess—fully 50 per cent. at Fort William, Dundee and Perth, and as much as 70 per cent. at Marchmont. As regards the chief towns, the mean rainfall was 4·13 in., or 24 per cent. above the normal; the differences from the normal ranged from an excess of 52 per cent. at Perth to a defect of 8 per cent. at Glasgow; and the heaviest daily falls were 1·50 in. at Greenock on 24th and 1·15 in. at Perth on 19th.

From about 3rd to 6th, and again from about 17th to 20th, the weather was of a very stormy and unsettled type, with winds from east or south-east: some damage to shipping and some loss of life occurred. Showers of snow, sleet and hail were experienced in many districts on 18th and in some about 26th.

A thunderstorm occurred in some western districts on 1st.

Sunshine aggregates were in general below the normal, but in Glasgow somewhat above.

Aurora was somewhat widely observed on various days—at Aberdeen on 1st, 2nd, 9th, 25th and 29th.

NOTE.—For meteorological table see p. 104.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES  
in the Principal Towns, NOVEMBER 1916.

TOWNS.	POPULATION.		BIRTHS.						MARRIAGES.	DEATHS.				
	Census. 1911.	Estimated to middle of 1916.	Males.	Females.	Total.	Legiti- mate.	Illegiti- mate.	Males.		Females.	Total.	Out.	In.	Total Corrected.
GLASGOW, . . .	1,008,487	1,091,600	1042	979	2021	1882	139	611	715	671	1386	112	44	1318
EDINBURGH, . .	320,769	329,200	213	215	428	380	48	246	214	175	389	68	37	358
DUNDEE, . . .	176,085	180,300	152	147	299	274	25	72	129	143	272	4	8	276
ABERDEEN, . .	163,891	165,600	124	123	247	219	28	104	98	103	201	16	9	194
PAISLEY, . . .	84,455	90,800	72	55	127	118	9	38	47	46	93	9	4	88
LEITH, . . . .	80,601	82,100	78	67	145	138	7	43	37	29	66	2	35	99
GREENOCK, . .	75,140	77,700	104	76	180	175	5	33	64	47	111	8	3	106
PERTH, . . . .	35,854	36,400	24	19	43	35	8	18	19	22	41	6	3	38
TOTAL . (EIGHT TOWNS)	1,945,282	2,053,700	1809	1681	3490	3221	269	1165	1323	1236	2559	225	143	2477
COATBRIDGE, . .	43,290	45,600	46	52	98	94	4	13	24	28	52	2	4	54
MOTHERWELL . .	40,380	42,100	52	36	88	84	4	11	16	12	28	0	5	33
KIRKCALDY . . .	39,601	40,900	44	30	74	68	6	12	16	20	36	0	4	40
HAMILTON, . . .	38,644	39,100	51	42	93	91	2	5	29	20	49	2	3	50
CLYDEBANK, . .	37,548	45,700	43	52	95	91	4	13	12	15	27	1	9	35
KILMARNOCK, . .	34,723	37,300	36	39	75	72	3	15	28	17	45	4	3	44
FALKIRK, . . . .	33,574	34,100	25	34	59	54	5	12	24	21	45	8	1	33
AYR, . . . . .	32,986	33,500	14	28	42	38	4	11	19	16	35	8	4	31
TOTAL . (SIXTEEN TOWNS)	2,246,033	2,372,000	2120	1994	4114	3813	301	1257	1491	1385	2876	250	176	2802

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES  
in the Principal Towns, NOVEMBER 1916.

TOWNS.	Birth- Rate per 1000 of Popu- lation.	Illegiti- mate Birth- Rate per 100 Births.	Marriage- Rate per 1000 of Popu- lation.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		Principal Epidemic Diseases.	Tuber- culosis.	Phthisis.	All Re- spiratory Diseases.	Number.	* Rate per 1000 Births.
				Uncor- rected.	Cor- rected.						
GLASGOW, . . .	22·6	6·9	6·8	15·5	14·7	0·9	1·8	1·1	3·1	236	104
EDINBURGH, . .	15·9	11·2	9·1	14·4	13·3	0·9	1·2	0·8	2·0	43	87
DUNDEE, . . .	20·2	8·4	4·9	18·4	18·7	3·6	1·6	0·9	2·8	63	203
ABERDEEN, . .	18·2	11·3	7·7	14·8	14·3	0·9	0·7	0·7	1·9	30	100
PAISLEY, . . .	17·1	7·1	5·1	12·5	11·8	0·8	1·2	0·8	1·1	12	75
LEITH, . . . .	21·5	4·8	6·4	9·8	14·7	0·4	1·0	0·4	4·0	22	144
GREENOCK, . .	28·2	2·8	5·2	17·4	16·6	1·6	1·7	0·9	4·4	19	103
PERTH, . . . .	14·4	18·6	6·0	13·8	12·7	1·0	2·0	1·3	0·7	1	19
TOTAL . (EIGHT TOWNS)	20·7	7·7	6·9	15·2	14·7	1·1	1·5	1·0	2·7	426	109
COATBRIDGE, . .	28·3	4·1	3·5	14·0	14·5	1·3	1·3	0·3	2·4	12	121
MOTHERWELL, .	25·5	4·5	3·2	8·1	9·6	0·6	0·9	0·3	1·4	10	96
KIRKCALDY, . .	22·1	8·1	3·6	10·7	11·9	0·6	1·5	1·2	2·1	4	61
HAMILTON, . . .	29·0	2·2	1·6	15·3	15·6	1·9	2·2	0·9	3·7	14	159
CLYDEBANK, . .	25·4	4·2	3·5	7·2	9·4	0·5	0·8	0·5	1·6	12	113
KILMARNOCK, .	24·5	4·0	4·9	14·7	14·4	1·3	0·7	0·0	4·3	3	41
FALKIRK, . . . .	21·1	8·5	4·3	16·1	13·6	0·0	2·9	2·5	2·1	3	48
AYR, . . . . .	15·3	9·5	4·0	12·7	11·3	1·1	1·1	0·7	0·4	6	102
TOTAL . (SIXTEEN TOWNS)	21·2	7·3	6·5	14·8	14·4	1·1	1·5	1·0	2·7	490	107

\* Based on the average number of births registered monthly during the past 12 months.



TABLE III.—BIRTH-RATE, DEATH-RATE, ETC., FOR NOVEMBER 1916, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM							* Infantile Mortality Rate.	Mean Temperature. (Eight Towns only.)
					Enteric Fever.	Smallpox.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria and Croup.	Diarrhoea (Under 2 Years).		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
NOV. 1916, .	21·2	7·3	6·5	14·4	10	0	58	16	18	36	73	107	44°·5
NOV. 1915, .	21·3	6·7	11·6	20·0	8	0	66	57	14	55	78	142	36°·7
NOV. 1914, .	25·0	7·9	7·7	16·8	14	0	16	75	71	62	79	125	43°·1
NOV. 1913, .	22·6	7·1	6·8	15·0	6	0	116	36	19	46	74	128	45°·3
NOV. 1912, .	24·6	6·3	6·1	16·5	15	4	12	16	44	34	50	152	42°·4
NOV. 1911, .	23·9	7·5	6·5	17·0	6	0	100	18	25	46	55	152	41°·5
NOV. 1910, .	24·9	7·7	6·3	17·2	11	0	7	28	44	54	67	115	36°·7
NOV. 1909, .	25·4	8·0	7·0	21·9	9	0	157	33	45	43	46	165	39°·0
NOV. 1908, .	24·6	7·2	6·6	18·0	16	0	6	33	57	37	—	133	44°·2
NOV. 1907, .	26·3	6·7	6·8	18·1	8	0	147	12	63	28	—	139	42°·2
NOV. 1906, .	27·3	7·4	6·4	18·7	12	0	41	14	52	25	—	149	45°·0

For all years up to and including 1911, figures are for Eight only of the Principal Towns.

Figures in Columns 5-13 have, for 1913 and subsequent years, been corrected for non-resident deaths

\* Per 1000 of the average number of births registered monthly during the past 12 months.

## AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—November 1916.

CAUSES OF DEATH.	All Ages.	Age.											
		-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	
Enteric Fever —	10	—	1	—	1	1	2	3	1	1	—	—	
Typhus Fever —	—	—	—	—	—	—	—	—	—	—	—	—	
Small-pox —	—	—	—	—	—	—	—	—	—	—	—	—	
Measles —	58	15	41	2	—	—	—	—	—	—	—	—	
Scarlet Fever —	16	1	9	3	2	1	—	—	—	—	—	—	
Whooping-cough —	18	8	9	1	—	—	—	—	—	—	—	—	
Diphtheria and Croup —	36	4	15	14	1	1	—	1	—	—	—	—	
Influenza —	6	—	1	—	—	—	1	—	1	—	—	2	
Erysipelas —	10	—	—	—	—	1	1	1	2	—	4	1	
Phthisis, Pulmonary Tuberculosis —	185	—	6	5	6	40	40	33	28	25	2	—	
Tuberculous Meningitis —	38	6	23	3	3	1	1	1	—	—	—	—	
Abdominal Tuberculosis —	36	3	16	5	1	4	3	2	1	—	1	—	
Other Tuberculous Diseases —	31	1	4	3	2	4	7	2	3	3	1	1	
Cancer, Malignant Disease —	210	—	1	—	—	—	4	17	42	69	49	28	
Rheumatic Fever —	7	—	—	—	1	3	—	2	1	—	—	—	
Meningitis —	24	12	8	3	—	—	—	—	1	—	—	—	
Organic Heart Disease —	278	—	2	3	—	14	20	20	38	66	69	46	
Bronchitis —	223	53	19	—	—	3	3	12	12	27	52	42	
Pneumonia (all forms) —	262	79	70	4	1	4	6	7	16	29	31	15	
Other Diseases of Respiratory Organs —	35	7	6	1	—	—	—	3	7	3	4	4	
Diarrhoea and Enteritis (under 2 years) —	73	51	22	—	—	—	—	—	—	—	—	—	
Appendicitis and Typhlitis —	15	—	—	4	2	5	—	—	1	1	2	—	
All Liver Diseases (not Malignant) —	22	—	—	1	—	—	—	2	2	7	4	6	
Other Diseases of Digestive System —	95	19	11	4	—	5	3	8	13	14	11	7	
Nephritis and Bright's Disease —	91	—	2	—	2	4	7	11	15	20	22	8	
Puerperal Sepsis —	9	—	—	—	—	1	5	3	—	—	—	—	
Other Diseases & Accidents of Pregnancy & Parturition —	18	—	—	—	—	2	11	5	—	—	—	—	
Congenital Debility and Malformation, including Pre-mature Birth —	168	166	—	—	—	2	—	—	—	—	—	—	
Violent Deaths, excluding Suicide —	134	5	10	8	4	8	16	14	19	21	17	12	
Suicide —	7	—	—	—	—	2	—	2	1	1	1	—	
Other Defined Diseases —	623	55	16	2	6	16	10	45	62	106	147	158	
Diseases Ill-defined or Unknown —	64	5	6	—	1	—	1	5	6	14	15	11	
All Causes —	2802	490	298	66	33	122	141	199	272	408	432	341	

## DEATHS IN EACH TOWN (corrected for Transfers)—November 1916.

CAUSES OF DEATH.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Leith.	Greenock.	Perth.
Enteric Fever ... ..	5	...	1	...	...	...	1	...
Typhus Fever ... ..	...	...	...	...	...	...	...	...
Small-pox ... ..	...	...	...	...	...	...	...	...
Measles ... ..	13	3	40	...	...	...	...	2
Scarlet Fever ... ..	8	1	2	1	...	...	1	...
Whooping-cough ... ..	8	2	1	1	3	...	...	...
Diphtheria and Croup ... ..	9	8	3	5	2	1	3	1
Influenza ... ..	2	3	...	...	...	...	...	...
Erysipelas ... ..	6	1	...	2	...	...	...	...
Phthisis, Pulmonary Tuberculosis ... ..	102	21	14	9	6	3	6	4
Tuberculous Meningitis ... ..	19	5	1	...	1	3	2	1
Abdominal Tuberculosis ... ..	22	1	4	...	1	...	2	1
Other Tuberculous Diseases ... ..	14	5	4	...	1	1	1	...
Cancer, Malignant Disease ... ..	100	29	22	16	12	6	5	2
Rheumatic Fever ... ..	2	...	...	1	...	1	1	...
Meningitis ... ..	8	...	1	1	5	...	4	...
Organic Heart Disease ... ..	97	56	27	31	10	12	11	9
Bronchitis ... ..	107	20	16	13	6	10	16	1
Pneumonia (all forms) ... ..	150	28	25	10	2	15	9	1
Other Diseases of Respiratory Organs ... ..	18	5	1	3	...	2	3	...
Diarrhoea and Enteritis (under 2 years) ... ..	34	9	6	5	1	2	5	...
Appendicitis and Typhlitis ... ..	10	2	...	...	...	...	...	...
All Liver Diseases (not Malignant) ... ..	12	6	1	1	...	...	...	...
Other Diseases of Digestive System ... ..	44	14	9	6	4	4	2	1
Nephritis and Bright's Disease ... ..	56	9	6	6	1	4	1	...
Puerperal Sepsis ... ..	4	...	1	...	1	1	...	...
Other Diseases and Accidents of Pregnancy and Parturition ... ..	9	2	2	1	...	...	1	...
Congenital Debility and Malformation, including Premature Birth ... ..	78	21	28	11	3	3	4	1
Violent Deaths, excluding Suicide ... ..	78	11	9	8	4	4	3	1
Suicide ... ..	2	5	...	...	...	...	...	...
Other Defined Diseases ... ..	262	89	50	60	24	26	23	13
Diseases Ill-defined or Unknown ... ..	39	2	2	3	1	1	2	...
<b>All Causes</b> ... ..	<b>1318</b>	<b>358</b>	<b>276</b>	<b>194</b>	<b>88</b>	<b>99</b>	<b>106</b>	<b>38</b>
<b>AGE AT DEATH.</b>								
Under 1 ... ..	236	43	63	30	12	22	19	1
1-4 ... ..	147	21	48	17	8	4	13	5
5-9 ... ..	35	9	5	1	4	2	2	1
10-14 ... ..	18	2	3	2	1	...	...	...
15-24 ... ..	57	15	11	6	4	3	4	2
25-34 ... ..	77	17	14	8	3	5	4	...
35-44 ... ..	103	30	12	12	6	3	9	4
45-54 ... ..	152	24	22	14	8	8	10	4
55-64 ... ..	185	73	25	35	12	19	18	4
65-74 ... ..	185	70	40	37	16	20	15	5
75 and over ... ..	123	54	33	32	14	13	12	12
<b>All Ages</b> ... ..	<b>1318</b>	<b>358</b>	<b>276</b>	<b>194</b>	<b>88</b>	<b>99</b>	<b>106</b>	<b>38</b>



## DEATHS IN EACH TOWN (corrected for Transfers)—November 1916—continued.

CAUSES OF DEATH.	Coatbridge.	Motherwell.	Kirkcaldy.	Hamilton.	Clydebank.	Kilmarnock.	Falkirk.	Ayr.
Enteric Fever ... ..	...	...	...	1	...	2	...	...
Typhus Fever ... ..	...	...	...	...	...	...	...	...
Small-pox ... ..	...	...	...	...	...	...	...	...
Measles ... ..	...	...	...	...	...	...	...	...
Scarlet Fever ... ..	1	...	...	1	...	...	...	1
Whooping-cough ... ..	...	1	...	1	...	1	...	...
Diphtheria and Croup ... ..	1	...	2	1	...	...	...	...
Influenza ... ..	...	...	...	1	...	...	...	...
Erysipelas ... ..	...	...	...	...	...	...	...	1
Phthisis, Pulmonary Tuberculosis ... ..	1	1	4	3	2	...	7	2
Tuberculous Meningitis ... ..	...	...	1	2	...	1	1	1
Abdominal Tuberculosis ... ..	3	1	...	1	...	...	...	...
Other Tuberculous Diseases ... ..	1	1	...	1	1	1	...	...
Cancer, Malignant Disease ... ..	4	1	2	3	1	2	...	5
Rheumatic Fever ... ..	...	1	...	...	...	...	1	...
Meningitis ... ..	1	1	...	1	1	1	...	...
Organic Heart Disease ... ..	2	2	6	4	1	7	2	1
Bronchitis ... ..	8	3	3	6	3	8	2	1
Pneumonia (all forms) ... ..	1	1	3	6	3	4	4	...
Other Diseases of Respiratory Organs ... ..	...	1	1	...	...	1	...	...
Diarrhoea and Enteritis (under 2 years) ... ..	3	1	...	2	2	1	...	2
Appendicitis and Typhlitis ... ..	1	...	...	...	2	...	...	...
All Liver Diseases (not Malignant) ... ..	...	...	...	...	...	...	1	1
Other Diseases of Digestive System ... ..	2	...	1	...	4	...	3	1
Nephritis and Bright's Disease ... ..	2	1	1	...	1	1	2	...
Puerperal Sepsis ... ..	...	...	...	...	...	...	1	1
Other Diseases and Accidents of Pregnancy and Parturition ... ..	2	1	...	...	...	...	...	...
Congenital Debility and Malformation, including Premature Birth ... ..	4	2	2	3	4	2	1	1
Violent Deaths, excluding Suicide ... ..	6	3	1	1	2	1	...	2
Suicide ... ..	...	...	...	...	...	...	...	...
Other Defined Diseases ... ..	10	8	11	11	6	8	12	10
Diseases Ill-defined or Unknown ... ..	1	3	2	1	2	3	1	1
All Causes ... ..	54	33	40	50	35	44	38	31
AGE AT DEATH.								
Under 1 ... ..	12	10	4	14	12	3	3	6
1-4 ... ..	6	4	1	8	2	8	5	1
5-9 ... ..	1	...	4	...	1	...	...	1
10-14 ... ..	3	...	...	2	1	...	1	...
15-24 ... ..	3	2	4	2	2	3	4	...
25-34 ... ..	3	1	3	2	1	...	...	3
35-44 ... ..	3	3	3	1	4	3	2	1
45-54 ... ..	9	1	2	5	4	4	4	1
55-64 ... ..	6	5	4	6	1	6	5	4
65-74 ... ..	4	4	5	6	5	9	5	6
75 and over ... ..	4	3	10	4	2	8	9	8
All Ages ... ..	54	33	40	50	35	44	38	31

## ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, LEITH, GREENOCK, and PERTH,

During the Month of NOVEMBER 1916.

OBSERVERS.	BARO-METER.		AIR TEMPERATURE.						HYGROMETER.				RAIN, AND OTHER FORMS OF PRECIPITATION.		WIND DIRECTIONS.																
	Height of Station above Sea-level.	Mean at Station and 32°.	Mean at Sea-Level and 32°.	Mean of	Absolute Maximum and Minimum.				Difference from Average	Mean of A and B (Mean Temperature).	Mean at 9 A.M. and 9 P.M.		Depression of Wet Bulb.	Vapour Pressure.	Humidity.	Number of Days.	Total Fall.	Difference from Average.	Number of Observations at 9 A.M. and 9 P.M.												
					Maximum (A).	Minimum (B.)	Dry Bulb.	°			°	°							inch.	per cent.	inch.	inch.	N	NE	E	SE	S	SW	W	NW	Calm or Variable.
GLASGOW, The Observatory.	184	29.365	29.570	48.4	41.5	45.0	57	10, 11	33	17, 27	44.6	1.8	.254	86	22	3.26	-0.29	0	5	11	3	5	19	16	1	0					
EDINBURGH, Professor R. A. SAMPSON, F.R.S.	441	29.099	29.580	48.4	40.3	44.4	58	11th	32	16, 17, 27	44.1	2.1	.243	83	18	3.17	+0.94	0	2	6	7	12	15	10	3	5					
DUNDEE, ALEX. MACRAE, Curator of Cemeteries.	164	29.391	29.573	48.3	38.9	43.6	59	14th	31	27th	43.3	1.2	.254	91	18	3.86	+1.30	0	1	2	19	0	30	1	7	0					
ABERDEEN,* The Meteorological Office.	90	29.456	29.558	49.2	39.9	44.6	59	11th	33	22, 23, 28	44.4	1.5	.259	89	16	3.25	+0.23	0	4	5	7	18	16	4	5	1					
PAISLEY, The Coats Observatory.	107	29.458	29.578	49.1	41.1	45.1	58	11th	32	27th	45.2	1.9	.258	86	23	4.40	+0.50	1	1	7	9	3	18	9	9	3					
LEITH,† JAMES BOLAM, Navigation School.	76	29.496	29.581	49.0	41.3	45.2	58	10, 11	33	16th	45.6	1.9	.263	86	18	2.80	+0.49	0	0	8	6	4	28	14	0	0					
GREENOCK, DANIEL MACALISTER, C.E., Greenock Waterworks.	233	29.314	29.580	48.2	40.9	44.6	58	11th	33	17th	44.4	1.7	.255	88	27	7.82	+1.64	0	1	13	7	0	8	24	7	0					
PERTH, HENRY COATES, F.R.S.E., The Museum.	62	29.502	29.571	48.8	38.7	43.8	59	11, 12, 13	31	16th	44.2	1.5	.257	89	19	4.51	+1.53	5	2	4	11	11	20	5	2	0					
Means	170	29.385	29.574	48.7	40.3	44.5	..	..	..	..	44.5	1.7	.255	87	20	4.13	+0.79	1	2	7	9	7	19	10	4	1					

North Latitude.—Glasgow, 55° 51'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 55° 51'; Leith, 55° 58'; Greenock, 55° 57'; Perth, 56° 23'; Mean, 56° 11'.  
 West Longitude.—Glasgow, 4° 18'; Edinburgh, 3° 11'; Dundee, 2° 57'; Aberdeen, 2° 7'; Paisley, 4° 27'; Leith, 3° 8'; Greenock, 4° 46'; Perth, 3° 25'; Mean, 3° 32'.

\* At King's College, at 7 A.M. and 6 P.M.  
 † At 9 A.M. only.



MONTHLY RETURN  
OF THE  
BIRTHS, DEATHS, AND MARRIAGES  
IN SIXTEEN OF THE PRINCIPAL TOWNS OF  
SCOTLAND.

---

DECEMBER 1916.

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To be purchased from H.M. STATIONERY OFFICE (Scottish Branch), 23 Forth Street, Edinburgh.

REPORT.

During the month of December 1916 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1911 Census had populations of over 30,000, the births of 4140 living children, of whom 2105 were male and 2035 female. The male children of the month are 15 fewer than in the previous month, and 190 fewer than in December 1915. The female children are 41 more than in the previous month, but 187 fewer than in December 1915. The total births registered during the month are 26 more than in the previous month, but are 177 fewer than the mean of the numbers for the three preceding months, and 377 fewer than in December 1915. The equivalent annual birth-rate is 20·6 per thousand of the estimated aggregate population of these towns. This rate is 0·6 below that for the previous month, 1·3 below the mean of the rates for the three preceding months, and 2·1 below that for December 1915. In the towns taken individually the monthly birth-rate ranged from 29·6 in Greenock, 29·0 in Hamilton, and 26·6 in Motherwell, to 13·6 in Kirkcaldy, 14·6 in Perth, and 15·8 in Ayr. In Clydebank it was 26·1; in Kilmarnock, 24·7; in Coatbridge, 23·3; in Glasgow, 22·0; in Falkirk, 21·5; in Leith, 19·4; in Aberdeen, 19·3; in Paisley, 18·6; in Dundee, 16·7; and in Edinburgh, 16·2.

Of the 4140 children whose births were registered, 3788, or 91·5 per cent., were legitimate, and 352, or 8·5 per cent., were illegitimate. The illegitimate children are 51 more than in the previous month, 22 more than the mean of the numbers for the three preceding months, and 41 more than in December 1915. The illegitimate rate for the month is 1·2 above that for the previous month, 0·9 above the mean of the rates for the three preceding months, and 1·6 above that for December 1915. In the towns taken individually this rate ranged from 15·1 in Edinburgh, 11·1 in Ayr, and 11·0 in Dundee, to 3·0 in Clydebank, 3·2 in Motherwell, and 4·2 in Hamilton. In Aberdeen it was 10·4; in Kirkcaldy, 8·5; in Glasgow, 8·2; in Falkirk, 8·1; in Leith and in Perth, 6·7; in Kilmarnock, 6·4; in Coatbridge, 5·6; in Paisley, 4·9; and in Greenock, 4·6.

Marriages registered during the month numbered 1804. They are 547 more than in the previous month, and 455 more than the mean of the numbers for the three preceding months, but are 378 fewer than for December 1915. The



equivalent annual marriage-rate is 9.0 per thousand. It is 2.5 above that for the previous month, and 2.1 above the mean of the rates for the three preceding months, but is 2.0 below that for December 1915. In the towns taken individually this rate ranged from 12.1 in Edinburgh, 12.0 in Perth, and 11.1 in Aberdeen, to 5.3 in Paisley, 5.5 in Falkirk, and 6.5 in Coatbridge. In Motherwell it was 10.6; in Ayr, 10.2; in Glasgow, 8.6; in Hamilton, 8.5; in Kilmarnock, 8.2; in Clydebank, 8.0; in Dundee, 7.6; in Leith, 7.5; in Greenock, 7.4; and in Kirkcaldy, 7.2.

Deaths registered in these towns numbered 3535, of which 1784 were of males, and 1751 of females. These deaths include those of 290 persons with usual residence outwith the town of registration, but exclude those of 198 persons who, though dying elsewhere in Scotland, had usual residence in one or other of these towns, and the difference, 92, falls to be deducted to get the corrected number for the month, which is thus found to be 3443. This number is 641 more than in the previous month, and 723 more than the mean of the numbers for the three preceding months, but is 376 less than that for December 1915.

The death-rate for the month, corrected, is 17.1 per thousand. It is 2.7 above that for the previous month, and 3.3 above the mean of the rates for the three preceding months, but is 2.1 below that for December 1915. In the towns taken individually this rate ranged from 21.5 in Dundee, 21.4 in Perth, and 18.1 in Paisley, to 12.4 in Kirkcaldy, 13.4 in Motherwell, and 13.7 in Ayr. In Leith it was 18.0; in Glasgow, 17.7; in Kilmarnock, 17.1; in Hamilton, 16.9; in Edinburgh, 15.8; in Aberdeen, 15.5; in Coatbridge, 14.8; in Greenock, 14.7; in Clydebank, 14.5; and in Falkirk, 13.9.

Deaths of children of less than one year old numbered 574. They are 84 more than in the previous month, and 43 more than the mean of the numbers for the three preceding months, but are 38 fewer than in December 1915. They are equal to an infantile mortality rate of 122 per thousand of the average number of births registered monthly during the preceding twelve months. This rate is 15 more than in the previous month, and 7 more than the mean of the rates for the three preceding months, but is 4 less than that for December 1915. In the towns taken individually this rate ranged from 173 in Dundee, 163 in Coatbridge, and 149 in Leith, to 47 in Greenock, 53 in Kilmarnock, and 64 in Clydebank. In Ayr it was 148; in Hamilton, 130; in Edinburgh, 129; in Glasgow, 127; in Falkirk, 123; in Paisley, 120; in Kirkcaldy, 118; in Perth, 107; in Aberdeen, 98; and in Motherwell, 66.

Deaths from the principal epidemic diseases numbered 183, and included 5 from enteric fever, 51 from measles, 14 from scarlet fever, 34 from whooping-cough, 25 from diphtheria, and 54 from the diarrhoeas of childhood. These deaths collectively are 28 fewer than in the previous month, 104 fewer than the mean of the numbers for the three preceding months, and 137 fewer than in December 1915. The monthly death-rate from these causes was 0.9 per thousand. It is 0.2 below that for the previous month, 0.6 below the mean of the rates for the three preceding months, and 0.7 below that for December 1915. This rate ranged from 2.8 in Dundee, where measles was prevalent, and 1.9 in Kilmarnock, to 0 in Motherwell, and 0.3 in Greenock and in Kirkcaldy. In Glasgow and in Edinburgh this rate was 0.7, and in Aberdeen it was 0.6.

Deaths from pneumonia numbered 415, and from bronchitis 409. The former are 153, and the latter 186, more than in the previous month.

Deaths from all forms of tuberculous disease numbered 342, 245 of them being attributed to phthisis. The total deaths from tuberculous diseases are 52 more than in the previous month, but 12 fewer than in December 1915. Those from phthisis are 60 more than in the previous month, and 12 more than in December 1915.



# METEOROLOGICAL NOTES for Eight of the Principal Towns, by A. WATT, M.A., F.R.S.E., Secretary to the Scottish Meteorological Society.

## DECEMBER 1916.

Mean barometric pressure, 29·529 in.; less than the average of 1876–1910 by 0·238 in.

Mean temperature, 37°·7; less by 0°·9.

Mean daily range of temperature, 7°·9; less by 1°·2.

Rain, number of days, 22; greater by 3 days.

Rain, depth in inches, 4·43; greater by 0·72 in.

Wind, direction of: a 2 days' excess of winds from S.E. and S.

Hence the month was characterised by an abnormally low mean pressure; a rather low mean temperature, with a low mean daily range; a rather high mean rainfall; and a slight excess of winds from S.E. and S.

The mean pressure of 29·529 in. was 0·238 in. below the normal for December, and at Leith, at sea-level, pressure reached 30 in. only on 2nd, from 4th to 6th, and on 27th. The extremes at Leith were 30·11 in. on morning of 5th and 28·85 in. on evening of 21st. The month was the third in succession with an abnormally low pressure, and the mean for the October–December period was lower than in any year since 1872.

Mild conditions during the first day or two were followed by a sharp fall of temperature on 5th, with lowest readings for the month at a few places on that day. Thereafter cold to rather cold weather prevailed until towards the end of the month, though the cold was less severe than that experienced in England at the same time. From about 15th to 20th the weather was of a definitely wintry type, and on 20th temperature at West Linton fell to 11°. Very mild conditions prevailed during the last three or four days of the month. As regards the chief towns, the mean temperature was 37°·7, or 0°·9 below the normal; the days were 1°·5 and the nights 0°·3 below their respective averages; and the extremes were 52° at Edinburgh, Glasgow and Paisley on 28th, and 21° at Perth on 5th.

On 2nd and on 6th or 7th there were some moderate rainfalls in various districts; on 9th some heavy falls in eastern and central districts—more than 1½ in. at Perth and Kenmore,—with unsettled conditions during the next two or three days; and from 15th to 25th various days in all except northern districts, on which there was considerable precipitation. Various heavy falls occurred during the last three or four days at Glenquoich, 1·78 in. on 28th, with 1·90 in. on 29th. Towards the north-west the month's aggregates were below the normal; in south and at points in the west in close agreement with it; and in eastern districts somewhat in excess. As regards the chief towns, the mean rainfall was 4·43 in., or 19 per cent. above the normal.

Snow and hail occurred in some districts around 5th and 6th, and after moderate falls on 17th and 18th a snowstorm of considerable intensity was rather widely experienced on 19th and 20th. At Glasgow on 19th snow lay to a depth of from 6 to 9 in. Around 24th there were some further falls of snow. Wind force was high around 21st and at the close of the month.

A good deal of coast mist and some fog occurred.

Sunshine aggregates were in general decidedly deficient, though above the normal at Glasgow.

Aurora was observed at Aberdeen on 26th and 28th.

NOTE.—For meteorological table see p. 112.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES  
in the Principal Towns, DECEMBER 1916.

TOWNS.	POPULATION.		BIRTHS.					MARRIAGES.	DEATHS.					
	Census. 1911.	Estimated to middle of 1916.	Males.	Females.	Total.	Legiti- mate.	Illegiti- mate.		Males.	Females.	Total.	Out.	In.	Total Corrected.
GLASGOW, . . .	1,008,487	1,091,600	1029	1003	2032	1866	166	798	849	821	1670	106	71	1635
EDINBURGH, . .	320,769	329,200	235	216	451	383	68	337	236	252	488	81	34	441
DUNDEE, . . .	176,085	180,300	125	130	255	227	28	116	144	185	329	12	12	329
ABERDEEN, . .	163,891	165,600	141	129	270	242	28	156	107	122	229	21	10	218
PAISLEY, . . .	84,455	90,800	66	77	143	136	7	41	73	70	143	10	6	139
LEITH, . . .	80,601	82,100	62	73	135	126	9	52	56	48	104	4	25	125
GREENOCK, . .	75,140	77,700	111	84	195	186	9	49	64	42	106	11	2	97
PERTH, . . .	35,854	36,400	24	21	45	42	3	37	31	43	74	9	1	66
TOTAL . . . (EIGHT TOWNS)	1,945,282	2,053,700	1793	1733	3526	3208	318	1586	1560	1583	3143	254	161	3050
COATBRIDGE, . .	43,290	45,600	46	44	90	85	5	25	35	25	60	4	1	57
MOTHERWELL . .	40,380	42,100	44	51	95	92	3	38	23	20	43	1	6	48
KIRKCALDY . . .	39,601	40,900	25	22	47	43	4	25	21	21	42	1	2	43
HAMILTON, . . .	38,644	39,100	57	39	96	92	4	28	33	22	55	5	6	56
CLYDEBANK, . .	37,548	45,700	51	50	101	98	3	31	26	15	41	1	16	56
KILMARNOCK, . .	34,728	37,300	39	39	78	73	5	26	35	25	60	8	2	54
FALKIRK, . . .	33,574	34,100	31	31	62	57	5	16	23	20	43	4	1	40
AYR, . . .	32,986	33,500	19	26	45	40	5	29	28	20	48	12	3	39
TOTAL . . . (SIXTEEN TOWNS)	2,246,033	2,372,000	2105	2035	4140	3788	352	1804	1784	1751	3535	290	198	3443

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES  
in the Principal Towns, DECEMBER 1916.

TOWNS.	Birth- Rate per 1000 of Popu- lation.	Illegiti- mate Birth- Rate per 100 Births.	Marriage- Rate per 1000 of Popu- lation.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		Principal Epidemic Diseases.	Tuber- culosis.	Phthisis.	All Re- spiratory Diseases.	Number.	* Rate per 1000 Births.
				Uncor- rected.	Cor- rected.						
GLASGOW, . . .	22.0	8.2	8.6	18.1	17.7	0.7	1.8	1.4	5.2	293	127
EDINBURGH, . . .	16.2	15.1	12.1	17.5	15.8	0.7	1.5	1.0	3.2	66	129
DUNDEE, . . .	16.7	11.0	7.6	21.5	21.5	2.8	2.2	1.8	4.1	55	173
ABERDEEN, . . .	19.3	10.4	11.1	16.3	15.5	0.6	1.5	1.3	3.3	30	98
PAISLEY, . . .	18.6	4.9	5.3	18.6	18.1	0.9	1.6	0.8	4.9	20	120
LEITH, . . .	19.4	6.7	7.5	15.0	18.0	1.4	2.2	1.4	3.6	23	149
GREENOCK, . . .	29.6	4.6	7.4	16.1	14.7	0.3	1.8	0.9	1.4	9	47
PERTH, . . .	14.6	6.7	12.0	24.0	21.4	1.3	1.0	0.6	6.8	6	107
TOTAL . . . (EIGHT TOWNS)	20.3	9.0	9.1	18.1	17.5	0.9	1.8	1.3	4.5	502	125
COATBRIDGE, . . .	23.3	5.6	6.5	15.5	14.8	1.0	1.3	0.3	4.4	17	163
MOTHERWELL, . . .	26.6	3.2	10.6	12.0	13.4	0.0	0.8	0.3	4.2	7	66
KIRKCALDY, . . .	13.6	8.5	7.2	12.1	12.4	0.3	0.3	0.3	1.7	8	118
HAMILTON, . . .	29.0	4.2	8.5	16.6	16.9	0.9	1.5	0.9	5.7	12	130
CLYDEBANK, . . .	26.1	3.0	8.0	10.6	14.5	1.0	1.3	0.5	2.1	7	64
KILMARNOCK, . . .	24.7	6.4	8.2	19.0	17.1	1.9	2.9	2.5	4.4	4	53
FALKIRK, . . .	21.5	8.1	5.5	14.9	13.9	1.0	0.7	0.7	4.2	8	123
AYR, . . .	15.8	11.1	10.2	16.9	13.7	0.7	1.8	1.4	2.8	9	148
TOTAL . . . (SIXTEEN TOWNS)	20.6	8.5	9.0	17.6	17.1	0.9	1.7	1.2	4.4	574	122

\* Based on the average number of births registered monthly during the past 12 months.



TABLE III.—BIRTH-RATE, DEATH-RATE, ETC., FOR DECEMBER 1916, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM							* Infantile Mortality Rate.	Mean Temperature (Eight Towns only.)
					Enteric Fever.	Smallpox.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria and Croup.	Diarrhoea (Under 2 Years).		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
DEC. 1916, .	20·6	8·5	9·0	17·1	5	0	51	14	34	25	54	122	37°·7
DEC. 1915, .	22·7	6·9	11·0	19·2	3	0	106	73	17	65	56	126	38°·0
DEC. 1914, .	25·4	7·0	9·9	18·7	11	0	19	71	156	66	60	147	37°·9
DEC. 1913, .	27·0	6·9	10·4	17·9	6	0	184	45	26	62	56	157	39°·8
DEC. 1912, .	26·1	7·8	11·5	19·7	5	2	20	22	108	33	57	166	41°·3
DEC. 1911, .	23·3	8·0	9·8	17·1	10	0	133	15	41	41	32	133	41°·5
DEC. 1910, .	25·3	7·8	9·0	17·2	7	0	5	27	43	57	37	125	42°·3
DEC. 1909, .	25·6	7·8	8·3	23·1	16	0	233	30	48	39	33	178	36°·5
DEC. 1908, .	25·9	6·4	8·8	17·7	6	0	5	15	96	36	—	116	39°·5
DEC. 1907, .	27·2	6·9	11·1	21·6	13	1	280	18	97	41	—	169	39°·0
DEC. 1906, .	27·0	7·4	12·4	20·2	16	0	32	19	75	37	—	144	37°·5

For all years up to and including 1911, figures are for Eight only of the Principal Towns.

Figures in Columns 5-13 have, for 1913 and subsequent years, been corrected for non-resident deaths

\* Per 1000 of the average number of births registered monthly during the past 12 months.

## AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—December 1916.

CAUSES OF DEATH.	All Ages.	Age.											
		-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	
Enteric Fever - - - - -	5	-	-	-	2	2	1	-	-	-	-	-	
Typhus Fever - - - - -	1	-	-	-	-	-	1	-	-	-	-	-	
Small-pox - - - - -	-	-	-	-	-	-	-	-	-	-	-	-	
Measles - - - - -	51	10	39	2	-	-	-	-	-	-	-	-	
Scarlet Fever - - - - -	14	1	7	5	-	1	-	-	-	-	-	-	
Whooping-cough - - - - -	34	11	22	1	-	-	-	-	-	-	-	-	
Diphtheria and Croup - - - - -	25	-	15	9	-	1	-	-	-	-	-	-	
Influenza - - - - -	23	5	-	-	-	-	1	-	-	4	4	9	
Erysipelas - - - - -	1	-	-	-	-	-	-	-	-	1	-	-	
Phthisis, Pulmonary Tuberculosis - - - - -	245	2	8	5	7	45	60	52	40	20	5	1	
Tuberculous Meningitis - - - - -	37	10	11	6	5	3	1	-	-	-	1	-	
Abdominal Tuberculosis - - - - -	26	3	6	6	7	1	1	2	-	-	-	-	
Other Tuberculous Diseases - - - - -	34	3	3	3	2	6	5	5	3	4	-	-	
Cancer, Malignant Disease - - - - -	247	-	-	-	3	1	4	26	50	72	63	28	
Rheumatic Fever - - - - -	13	-	-	2	4	3	1	-	1	1	-	1	
Meningitis - - - - -	16	12	11	-	3	6	2	-	1	1	-	-	
Organic Heart Disease - - - - -	323	-	1	1	2	6	16	25	35	74	100	63	
Bronchitis - - - - -	409	68	25	-	2	2	8	14	39	67	90	94	
Pneumonia (all forms) - - - - -	415	118	106	11	1	5	11	27	34	36	34	32	
Other Diseases of Respiratory Organs - - - - -	50	18	6	-	-	1	1	1	5	6	6	6	
Diarrhoea and Enteritis (under 2 years) - - - - -	54	43	11	-	-	-	-	-	-	-	-	-	
Appendicitis and Typhlitis - - - - -	13	-	-	3	1	3	2	2	2	-	-	-	
All Liver Diseases (not Malignant) - - - - -	21	-	-	-	-	-	-	1	4	7	4	5	
Other Diseases of Digestive System - - - - -	108	11	10	4	1	5	8	12	12	18	14	13	
Nephritis and Bright's Disease - - - - -	113	3	1	3	1	5	4	14	19	30	25	8	
Puerperal Sepsis - - - - -	13	-	-	-	-	2	7	4	-	-	-	-	
Other Diseases & Accidents of Pregnancy & Parturition - - - - -	20	-	-	-	-	4	9	6	1	-	-	-	
Congenital Debility and Malformation, including Premature Birth - - - - -	192	189	-	3	-	-	-	-	-	-	-	-	
Violent Deaths, excluding Suicide - - - - -	121	12	8	6	2	7	13	13	18	13	15	14	
Suicide - - - - -	5	-	-	-	-	1	1	2	-	1	-	-	
Other Defined Diseases - - - - -	724	51	18	10	8	15	17	31	70	114	172	218	
Diseases Ill-defined or Unknown - - - - -	70	4	4	1	3	-	1	9	14	11	13	10	
<b>All Causes - - - - -</b>	<b>3443</b>	<b>574</b>	<b>312</b>	<b>81</b>	<b>54</b>	<b>125</b>	<b>175</b>	<b>246</b>	<b>348</b>	<b>480</b>	<b>546</b>	<b>502</b>	



## DEATHS IN EACH TOWN (corrected for Transfers)—December 1916.

CAUSES OF DEATH.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Leith.	Greenock.	Perth.
Enteric Fever ... ..	4	...	1	...	...	...	...	...
Typhus Fever ... ..	1	...	...	...	...	...	...	...
Small-pox ... ..	...	...	...	...	...	...	...	...
Measles ... ..	12	3	31	...	...	2	...	3
Scarlet Fever ... ..	5	...	...	3	2	...	...	...
Whooping-cough ... ..	13	6	2	1	1	4	...	1
Diphtheria and Croup ... ..	7	4	2	3	2	1	...	...
Influenza ... ..	4	4	7	3	1	...	...	...
Erysipelas ... ..	...	...	...	...	...	...	...	...
Phthisis, Pulmonary Tuberculosis ... ..	127	27	27	18	6	10	6	2
Tuberculous Meningitis ... ..	17	9	1	...	2	1	1	1
Abdominal Tuberculosis ... ..	10	2	1	2	2	2	2	...
Other Tuberculous Diseases ... ..	15	4	4	1	2	2	3	...
Cancer, Malignant Disease ... ..	109	48	23	22	4	5	6	8
Rheumatic Fever ... ..	8	1	...	1	...	...	...	...
Meningitis ... ..	9	4	4	2	4	2	...	1
Organic Heart Disease ... ..	118	45	40	26	18	15	17	6
Bronchitis ... ..	225	35	27	24	24	11	4	7
Pneumonia (all forms) ... ..	228	46	35	20	13	13	4	12
Other Diseases of Respiratory Organs ... ..	30	9	1	2	1	1	1	2
Diarrhoea and Enteritis (under 2 years) ... ..	25	7	7	1	2	3	2	...
Appendicitis and Typhlitis ... ..	6	1	2	2	1	1	...	...
All Liver Diseases (not Malignant) ... ..	9	6	2	1	...	...	1	...
Other Diseases of Digestive System ... ..	52	9	10	11	4	...	5	1
Nephritis and Bright's Disease ... ..	65	10	4	7	3	2	2	3
Puerperal Sepsis ... ..	9	2	1	...	...	...	...	1
Other Diseases and Accidents of Pregnancy and Parturition ... ..	9	1	...	3	2	1	1	...
Congenital Debility and Malformation, including Premature Birth ... ..	95	28	18	10	6	6	4	2
Violent Deaths, excluding Suicide ... ..	60	15	7	9	3	9	6	1
Suicide ... ..	2	1	...	...	1	...	1	...
Other Defined Diseases ... ..	324	110	66	43	31	32	26	13
Diseases Ill-defined or Unknown ... ..	37	4	6	13	4	2	5	2
All Causes ... ..	1635	441	329	218	139	125	97	66
AGE AT DEATH.								
Under 1 ... ..	293	66	55	30	20	23	9	6
1-4 ... ..	162	23	43	15	12	10	6	7
5-9 ... ..	42	2	8	3	9	5	2	...
10-14 ... ..	23	6	3	7	3	3	3	1
15-24 ... ..	64	10	14	11	7	2	1	1
25-34 ... ..	84	18	14	9	6	7	11	3
35-44 ... ..	128	27	20	12	8	5	12	8
45-54 ... ..	166	46	30	18	15	14	15	3
55-64 ... ..	236	59	45	35	17	14	10	9
65-74 ... ..	253	91	51	38	25	15	14	9
75 and over ... ..	184	93	46	40	17	27	14	19
All Ages ... ..	1635	441	329	218	139	125	97	66



## DEATHS IN EACH TOWN (corrected for Transfers)—December 1916—continued.

CAUSES OF DEATH.	Coatbridge.	Motherwell.	Kirkcaldy.	Hamilton.	Clydebank.	Kilmarnock.	Falkirk.	Ayr.
Enteric Fever ... ..	...	...	...	...	...	...	...	...
Typhus Fever ... ..	...	...	...	...	...	...	...	...
Small-pox ... ..	...	...	...	...	...	...	...	...
Measles ... ..	...	...	...	...	...	...	...	...
Scarlet Fever ... ..	...	...	...	1	3	...	...	...
Whooping-cough ... ..	1	...	...	1	...	1	3	...
Diphtheria and Croup ... ..	1	...	1	...	1	2	...	1
Influenza ... ..	...	1	...	1	...	1	...	1
Erysipelas ... ..	...	1	...	...	...	...	...	...
Phthisis, Pulmonary Tuberculosis ... ..	1	1	1	3	2	8	2	4
Tuberculous Meningitis ... ..	1	2	...	...	2	...	...	...
Abdominal Tuberculosis ... ..	1	...	...	2	1	1	...	...
Other Tuberculous Diseases ... ..	2	...	...	...	...	...	...	1
Cancer, Malignant Disease ... ..	4	5	2	3	1	3	3	1
Rheumatic Fever ... ..	...	...	1	...	1	1	...	...
Meningitis ... ..	...	2	1	1	3	1	...	2
Organic Heart Disease ... ..	4	2	11	7	2	6	5	1
Bronchitis ... ..	7	6	4	11	5	8	7	4
Pneumonia (all forms) ... ..	9	9	2	7	3	6	4	4
Other Diseases of Respiratory Organs ... ..	1	...	...	1	...	...	1	...
Diarrhoea and Enteritis (under 2 years) ... ..	2	...	...	1	...	3	...	1
Appendicitis and Typhlitis ... ..	...	...	...	...	...	...	...	...
All Liver Diseases (not Malignant) ... ..	...	1	...	...	1	...	...	...
Other Diseases of Digestive System ... ..	...	2	3	2	5	1	1	2
Nephritis and Bright's Disease ... ..	2	4	1	1	6	1	...	2
Puerperal Sepsis ... ..	...	...	...	...	...	...	...	...
Other Diseases and Accidents of Pregnancy and Parturition ... ..	...	1	...	1	1	...	...	...
Congenital Debility and Malformation, including Premature Birth ... ..	6	1	3	5	2	...	3	3
Violent Deaths, excluding Suicide ... ..	1	3	1	2	1	...	3	...
Suicide ... ..	...	...	...	...	...	...	...	...
Other Defined Diseases ... ..	13	6	11	6	16	11	7	9
Diseases Ill-defined or Unknown ... ..	1	1	1	...	...	...	1	3
<b>All Causes ...</b>	<b>57</b>	<b>48</b>	<b>43</b>	<b>56</b>	<b>56</b>	<b>54</b>	<b>40</b>	<b>39</b>
<b>AGE AT DEATH.</b>								
Under 1 ... ..	17	7	8	12	7	4	8	9
1-4 ... ..	5	5	2	1	8	8	4	1
5-9 ... ..	1	...	1	2	3	2	...	1
10-14 ... ..	2	...	1	...	...	1	1	...
15-24 ... ..	1	...	1	2	3	5	...	3
25-34 ... ..	...	2	1	6	3	7	2	2
35-44 ... ..	3	4	3	4	5	2	3	2
45-54 ... ..	13	4	2	5	6	3	5	3
55-64 ... ..	5	12	10	9	6	4	4	5
65-74 ... ..	5	4	5	8	7	9	8	4
75 and over ... ..	5	10	9	7	8	9	5	9
<b>All Ages ...</b>	<b>57</b>	<b>48</b>	<b>43</b>	<b>56</b>	<b>56</b>	<b>54</b>	<b>40</b>	<b>39</b>



ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, LEITH, GREENOCK, and PERTH,

During the Month of DECEMBER 1916.

OBSERVERS.	BARO-METER.		AIR TEMPERATURE.								HYGROMETER.				RAIN, AND OTHER FORMS OF PRECIPITATION.		WIND DIRECTIONS.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
	feet.	inch.	Mean at Station and 32°.	Mean at Sea-Level and 32°.	Mean of		Minimum (B.)	Maximum (A.)	Mean of A and B (Mean Temperature).	Difference from Average	Absolute Maximum and Minimum.				Dry Bulb.	Depression of Wet Bulb.	Vapour Pressure.	Humidity.	Number of Days.	Total Fall.	Difference from Average.	Number of Observations at 9 A.M. and 9 P.M.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
					Maximum	Day of Month.					Minimum.	Day of Month.	Maximum	Day of Month.								Humidity.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											

North Latitude.—Glasgow, 55° 51'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 55° 51'; Leith, 55° 58'; Greenock, 56° 57'; Perth, 56° 23'; Mean, 56° 11'.  
West Longitude.—Glasgow, 4° 13'; Edinburgh, 3° 11'; Dundee, 2° 57'; Aberdeen, 2° 7'; Paisley, 4° 27'; Leith, 3° 8'; Greenock, 4° 46'; Perth, 3° 25'; Mean, 3° 32'.

\* At King's College, at 7 A.M. and 6 P.M.  
† At King's College, at 7 A.M. and 6 P.M.